Technical Information Manager: Liz Hope (919) 541-2785

T	1	2002 -	D	21	2002
тan		/()()/ -	- 1)ec	1	-/(N)/
Juli	19	2002		\mathcal{I}	2002

Presented Published

ABSTRCT/ORAL

Ozkaynak, H. Assessing children's exposures: issues, approaches and plans. Presented at: 2002 Annual Meeting of the International Life Sciences Institute (ILSI), Cancun, Mexico, January 19-24, 2002.

1/19/2002

Contact: A. Haluk Ozkaynak

Luecken, D.J., and Tonnesen, G.S. Choosing a chemical mechanism for regulatory and research air quality modeling applications. Presented at: 7th US-German Workshop, Bad Breisig, Germany, October 9-11, 2002.

10/9/2002

Contact: Deborah J. Luecken

Edney, E.O., Speer, R.E., and Kleindienst, T.E. Assessment of the liquid water content of summertime aerosol in the Southeast United States. Presented at: American Association for Aerosol Research, Charlotte, NC, October 7-11, 2002.

10/7/2002

Contact: Edward O. Ednev

Graham, S.E., Burke, J.M., and Ozkaynak, H. A probabilistic modeling framework for predicting population exposures to benzene. Presented at: International Society of Exposure Analysis 2002, Vancouver, Canada, August 11-15, 2002.

8/11/2002

Contact: Stephen E. Graham

Zartarian, V., Xue, J., Dang, W., Ozkaynak, H., Cook, N., Aviado, D., and Mostaghimi, S. Modeling aggregate exposure and dose of children to a wood treatment preservative from playsets and home decks. Presented at: International Society of Exposure Analysis 2002 Conference, Vancouver, Canada, August 11-15, 2002.

8/11/2002

Contact: Valerie G. Zartarian

Burke, J.M., Rea, A.W., Suggs, J.C., Williams, R.W., Xue, J., and Ozkaynak, H. Ambient particulate matter exposures: a comparison of SHEDS-PM exposure model predictions and estimates derived from measurements collected during NERL's RTP PM panel study. Presented at: International Society of Exposure Analysis 2002 Conference, Vancouver, Canada, August 11-15, 2002.

8/11/2002

Contact: Janet Burke

Swartz, E.C., Stockburger, L., and Vallero, D.A. Monitoring toxic organic gases and particles near the World Trade Center after September 11, 2001. Presented at: International Society of Exposure Analysis 2002 Conference, Vancouver, Canada, August 11-15, 2002.

8/11/2002

Contact: Erick Swartz

Wang, S.W., Vyas, V.M., Yang, Y.C., Georgopoulos, P.G., and Ozkaynak, H. Assessing multimedia/multipathway exposure to arsenic using a mechanistic source-to-dose modeling framework. Presented at: International Society of Exposure Analysis 2002 Conference, Vancouver, Canada, August 11-15, 2002.

8/11/2002

Contact: A. Haluk Ozkaynak

Edney, E.O., Speerand, R.E., Weathers, W.S., Kleindienst, T.E., Corse, E.W., and McIver, C.D. PM2.5 organic composition from several sites in the United States. Presented at: American Association for Aerosol Research, Charlotte, Nc, October 7-11, 2002.

10/7/2002

Contact: Edward O. Edney

Technical Information Manager: Liz Hope (919) 541-2785

Jan 1, 2002 - Dec 31, 2002	Presented Published
Burke, J.M., Ito, K., Norris, G.A., Ozkaynak, H., and Wilson, W. Implications of selecting alternative exposure metrics in analyzing the relationships between PM and acute mortality and morbidity in Philadelphia. Presented at: International Society of Exposure Analysis 2002 Conference, Vancouver, Canada, August 11-15, 2002.	8/11/2002
Contact: Janet Burke	
Burke, J.M., Vedantham, R., McCurdy, T.R., Xue, J., and Ozkaynak, H. A population exposure model for particulate matter: SHEDS-PM. Presented at: American Association of Aerosol Research, Charlotte, NC, October 7-11, 2002.	10/7/2002
Contact: Janet Burke	
Edney, E.O., Clegg, S.L., Bartolotti, L.J., and Kleindienst, T.E. Computational chemistry method for predicting vapor pressures and activity coefficients of polar organic oxygenates in PM2.5. Presented at: American Association for Aerosol Research, Charlotte, NC, October 7-11, 2002.	10/7/2002
Contact: Edward O. Edney	
Edney, E.O., Clegg, S.L., and Seinfeld, J.H. Thermodynamic modeling of liquid aerosols containing dissolved organics and electrolytes. Presented at: American Association for Aerosol Research, Charlotte, NC, October 7-11, 2002.	10/7/2002
Contact: Edward O. Edney	
Swartz, E.C., Stockburger, L., McGaughy, E., McDonald-Buller, E., Allen, D., Michele, C., Lane, D.A., Pan, Y., and Gundel, L.A. Inter-site comparison of ambient aerosols in the Houston area during TEXAQS-2000. Presented at: Americal Association for Aerosol Research, Charlotte, NC, October 7-11, 2002.	10/7/2002
Contact: Leonard Stockburger	
Seila, R.L., and Lonneman, W.A. VOCs in ambient air near World Trade Center site. Presented at: 12th Conference of the International Society of Exposure Analysis, Vancouver, Canada, August 11-15, 2002.	8/11/2002
Contact: Robert L. Seila	
Vyas, V.M., Wang, S.W., Sun, Q., Chandrasekar, A., Shade, P., Georgopoulos, P.G., Burke, J.M., and Ozkaynak, H. Advancements in source-to-dose analysis of population exposures to ozone. Presented at: International Society of Exposure Analysis 2002 Conference, Vancouver, Canada, August 11-15, 2002.	8/11/2002
Contact: A. Haluk Ozkaynak	
Landis, M.S., Stevens, R.K., Prestbo, E., and Schaedlich, F.A. Standardized automated and manual methods to speciate mercury: field and laboratory studies. Presented at: 223rd American Chemical Society National Meeting, Orlando, FL, April 7-11, 2002.	4/7/2002
Contact: Matthew S. Landis	
Landis, M.S., and Stevens, R.K. Preliminary results from the US EPA mercury speciation network and aircraft measurement campaigns. Presented at: 223rd American Chemical Society National Meeting, Orlando, FL, April 7-11, 2002.	4/7/2002
Contact: Matthew S. Landis	
Vette, A.F., Landis, M.S., Williams, R.W., LaPosta, D., Kantz, M., Filippelli, J., Webb, L., Ellestad, T.G., and Vallero, D.A. Concentrations and speciation of PM at Ground Zero and Lower Manhattan following the collapse of the WTC. Presented at: International Society of Exposure Analysis 2002 Conference, Vancouver, Canada, August 11-15, 2002.	8/11/2002

Contact: Curtis M. Morris

Technical Information Manager: Liz Hope (919) 541-2785

Jan 1	. 2002	- Dec 31.	2002	Presented Published

Vette, A.F., Landis, M.S., Swartz, E.C., Williams, R.W., LaPosta, D., Kantz, M., Filippelli, J., Webb, L., Ellestad, T.G., and Vallero, D.A. Concentrations and composition of PM at Ground Zero and Lower Manhattan following the collapse of the WTC. Presented at: American Association for Aerosol Research, Charlotte, NC, October 7-11, 2002.

10/7/2002

Contact: Curtis M. Morris

Liu, S., and Pleil, J.D. Methods development and demonstration for assessing level of native pesticides, PCBs, PAHs, and VOCs in human blood. Presented at: American Chemical Society, Orlando, FL, April 7-11, 2002.

4/7/2002

Contact: Joachim D. Pleil

Lewis, R.G., Stout, II, D.M., Fortune, C.R., and Ellenson, W.D. New application of passive sampling devices for assessment of respiratory exposure to pesticides in indoor air. Presented at: Pittcon 2002, New Orleans, LA, March 17-22, 2002.

3/17/2002

Contact: Curtis M. Morris

Anderson, Y.B., Vallero, D.A., and Leovic, K.W. Innovative approaches to human exposure assessment in environmental justice communities. Presented at: Environmental Science & Technology Conference, Winston-Salem, NC, September 8-10, 2002.

9/8/2002

Contact: Kelly Leovic

Kendall, M., Bonnano, L., Wallace, L.A., and Lippmann, M. Indoor-outdoor PM2.5 and PM10 in New York City. Presented at: International Society of Exposure Analysis 2002 Conference, Vancouver, Canada, August 11-15, 2002.

8/11/2002

Contact: Lance A. Wallace

Swartz, E.C., Stockburger, L., Vette, A.F., and Vallero, D.A. Polycylic aromatic hydrocarbons (PAHs) and other semi-volatile organic compounds collected in New York City in response to the events of 9/11. Presented at: American Association for Aerosol Research, Charlotte, NC, October 7-11, 2002.

10/7/2002

Contact: Daniel Vallero

Lyu, C., Wilson, N.K., Chuang, J.C., Satola, J., and Morgan, M.K. Recruitment and field sampling in the CTEPP North Carolina and Ohio field studies. Presented at: International Society of Exposure Analysis 2002, Vancouver, Canada, August 11-15, 2002.

8/11/2002

Contact: Ellen W. Streib

Cohen-Hubal, E.A., Suggs, J.C., Tulve, N.S., and Nishioka, M.G. Characterizing pesticide residue transfer efficiencies using fluorescent tracer imaging techniques. Presented at: American Industrial Hygiene Conference and Exhibition, San Diego, CA, June 1-6, 2002.

6/1/2002

Contact: Elaine A. Cohen-Hubal

Kendall, M., Hsu, S.I., Lopez, P., Wallace, L.A., and Lippmann, M. Relating personal PM and PM-associated elemental carbon exposures to cardiovascular and pulmonary symptoms in a high-risk subpolulation. Presented at: International Society of Exposure Analysis 2002 Conference, Vancouver, Canada, August 11-15, 2002.

8/11/2002

Contact: Lance A. Wallace

Tulve, N.S., Hore, P., Cohen-Hubal, E.A., and Sheldon, L.S. Use of the macroactivity approach to assess children's dermal exposure to pesticides in residential environments. Presented at: American Industrial Hygiene Conference and Exhibition, San Diego, CA, June 1-6, 2002.

6/1/2002

Contact: Nicolle Tulve

Technical Information Manager: Liz Hope (919) 541-2785

Jan 1, 2002 - Dec 31, 2002	Presented Published
----------------------------	---------------------

Zhou, J., Jacob, D., Friedman, W., Fraser, A., Zeldin, D., Thorne, P., Cave, C., and Tulve, N.S. National surveys of multiple environmental hazards to young children in homes and child care centers. Presented at: American Industrial Hygiene Conference and Exhibition, San Diego, CA, June 1-6, 2002.

1/1/2002

Contact: Nicolle Tulve

Fortmann, R.C., Sheldon, L.S., Cohen-Hubal, E.A., Morgan, M.K., Stout, II, D.M., Thomas, K.W., Tulve, N.S., and Whitaker, D.A. The EPA National Exposure Research Laboratory children's pesticide exposure measurement program. Presented at: Indoor Air 2002 The 9th International Conference on Indoor Air Quality and Climate, Monterey, CA, June 30-July 5, 2002.

6/30/2002

Contact: Ellen W. Streib

Stout, II, D.M., and Mason, M.A. The distribution of chlorpyrifos following a crack and crevice type applicaiton in the U.S. EPA indoor air quality (IAQ) test house. Presented at: Indoor Air 2002 The 9th International Conference on Indoor Air Quality and Climate, Monterey, CA, June 30-July 5, 2002.

6/30/2002

Contact: Dan Stout

Vette, A.F., Rea, A.W., and Williams, R. Gaseous co-pollutants associated with particulate matter-results from the NERL RTP pm panel study. Presented at: International Society of Expsure Analysis 2002 Conference, Vancouver, Canada, August 11-15, 2002.

8/11/2002

Contact: Ronald W. Williams

Reid, C.M., Ryan, P.B., Wheeler, A., Wallace, L.A., and Suh, H.H. Associations between outdoor particulate (PM2.5) concentrations and gaseous co-pollutant exposure levels for COPD and MI cohorts in Atlanta, GA. Presented at: International Society of Exposure Analysis 2002 Conference, Vancouver, Canada, August 11-15, 2002.

8/11/2002

Contact: Lance A. Wallace

Leovic, K.W., Sheldon, L.S., Thomas, K.W., Highsmith, V.R., Tulve, N.S., Robertson, G.L., Hammerstom, K., Quackenboss, J.J., Melnyk, L.J., Berry, M., Pellizari, E., Lebowitz, M., and Ryan, P.B. Lessons learned from the National Human Exposure Assessment Survey (NHEXAS). Presented at: International Society of Exposure Analysis 2002, Vancouver, Canada, August 11-15, 2002.

8/11/2002

Contact: Kelly Leovic

Rea, A.W., Croghan, C., Thornburg, J., Rodes, B., and Williams, R.W. PM concentrations associated with personal activities based on real-time personal nephelometry data from the NERL RTP PM panel study. Presented at: International Society of Exposure Analysis 2002 Conference, Vancouver, Canada, August 11-15, 2002.

8/11/2002

Contact: Ronald W. Williams

Heermance, E., Falconer, R., and Morgan, M.K. Enantiomeric composition of chiral pesticides in human adipose tissue and breast milk. Presented at: 223rd American Chemical Society National Meeting, Orlando, FL, April 7-11, 2002.

4/7/2002

Contact: Dan Stout

Thomas, K.W., Sheldon, L, Sandler, D., Blair, A., and Alavanja, M.C.R. Agricultural health study/pesticide exposure study. Presented at: AHS National Advisory Panel Meeting, Rockville, MD, February 20-22, 2002.

2/20/2002

Contact: Kent W. Thomas

Technical Information Manager: Liz Hope (919) 541-2785

Jan	1.	2002	- Dec	31.	2002
Juli	1,	2002		$\sigma_{\mathbf{I}}$	2002

Presented Published

Larson, T.V., Liu, L.J.S., Allen, R., and Lewtas, J. Indoor-outdoor-personal relationships of selected fine particle trace elements in Seattle, WA. Presented at: International Society of Exposure Analysis 2002 Conference, Vancouver, Canada, August 11-15, 2002.

8/11/2002

Contact: Lance A. Wallace

Wilson, N.K., lachen, R., Chuang, J.C., Gordon, S.M., Evans, G.F., Feder, P., Strauss, W., Ozkaynak, H., and Sheldon, L.S. Children's total exposure to persistent pesticides and other persistent organic pollutants (CTEPP): an overview. Presented at: International Society of Exposure Analysis 2002, Vancouver, Canada, August 11-15, 2002.

8/11/2002

Contact: Ellen W. Streib

Williams, R, Rea, A.W., Suggs, J.C., Leovic, K., Vette, A.F., Sheldon, L.S., Rodes, C, Thornburg, J., Ejire, A., and Sanders, Jr., W. Exposure assessment from the NERL Research Triangle Park particulate matter panel study. Presented at: International Society of Exposure Analysis 2002 Conference, Vancouver, Canada, August 11-15, 2002.

8/11/2002

Contact: Ronald W. Williams

Sheldon, L, Williams, R.W., Suggs, J.C., Evans, G.F., Rea, A.W., Vette, A.F., Burke, J.M., Croghan, CW, Leovic, K.W., Creason, J.P., Walsh, D., Rodes, C, Thornburg, J., Lawless, P., Ejire, A., and Sanders, Jr., W. Summary findings from the U.S. EPA's particulate matter panel studies. Presented at: International Society of Exposure Analysis 2002 Conference, Vancouver, Canada, August 11-15, 2002.

8/11/2002

Contact: Ronald W. Williams

Williams, R.W., Riediker, M., Sheldon, L.S., Devlin, R.B., Griggs, TR, Stevens, Carvin, Pleil, J.D., and McCorquodale, Steve. Preliminary findings on the assessment of potential car-related occupational PM and air toxic exposure to patrol troopers (COPP study). Presented at: International Society of Exposure Analysis 2002 Conference, Vancouver, Canada, August 11-15, 2002.

8/11/2002

Contact: Ronald W. Williams

Thomas, K.W., Sheldon, L.S., Gordon, S.M., Jones, M., Reynolds, S., Raymer, J., Akland, G.G., and Dosemec, M. Interim results from the agricultural health study/pesticide exposure study. Presented at: International Society for Exposure Analysis, Vancouver, Canada, August 11-15, 2002.

8/11/2002

Contact: Kent W. Thomas

Cohen-Hubal, E.A., Akland, G.G., Leovic, K., Raymer, J., and Sheldon, L.S. Feasibility of using the macroactivity approach to assess children's dermal exposure to pesticides. Presented at: 12th Conference of the International Society of Exposure Analysis, Vancouver, Canada, August 11-15, 2002.

8/11/2002

Contact: Elaine A. Cohen-Hubal

Brinkman, M.C., Finegold, J.K., Chuang, J.C., Lyu, C., Cashwell, J., Wilson, N.K., Gordon, S.M., Morgan, M.K., and Croghan, C. The CTEPP Database. Presented at: International Society of Exposure Analysis 2002, Vancouver, Canada, August 11-15, 2002.

8/11/2002

Contact: Ellen W. Streib

Chuang, J.C., Junod, N., Wilson, N.K., Brinkman, M.C., and Morgan, M.K. Multimedia chemical analysis plan for children's aggregate exposure field studies in North Carolina and Ohio. Presented at: International Society of Exposure Analysis 2002, Vancouver, Canada, August 11-15, 2002.

8/11/2002

Contact: Ellen W. Streib

Technical Information Manager: Liz Hope (919) 541-2785

Jan 1,	2002 -	Dec 31,	2002	
--------	--------	---------	------	--

Presented Published

Morgan, M.K., Wilson, N.K., Chuang, J.C., Junod, N., Brinkman, M.C., and Lyu, C. Levels of organochlorine, organophosphate, and pyrethroid pesticides in CTEPP North Carolina multimedia samples. Presented at: International Society of Exposure Analysis 2002, Vancouver, Canada, August 11-15, 2002.

8/11/2002

Contact: Ellen W. Streib

Gordon, S.M., Brinkman, M.C., Satola, J., Wallace, L.A., Weisel, C.E., and Shin, J.Y. Controlled, short-term dermal and inhalation exposure to MTBE and dibromochloromethane. Presented at: International Society of Exposure Analysis 2002 Conference, Vancouver, Canada, August 11-15, 2002.

8/11/2002

Contact: Lance A. Wallace

Wallace, L.A., and Ott, W.R. Application of the random component superposition (RCS) model to PM2.5 personal exposure and indoor air quality measurements in different cities. Presented at: International Society of Exposure Analysis 2002 Conference, Vancouver, Canada, August 11-15, 2002.

8/11/2002

Contact: Lance A. Wallace

Tulve, N.S., Whitaker, D., Fortmann, R., Brown, H., Bozeman, E.R., Hilliard, A., and Naeher, L.P. Environmental measurements of organophosphate and pyrethroid pesticides to assess exposures of young children living in Jacksonville, FL. Presented at: International Society of Exposure Analysis 2002 Conference, Vancouver, Canada, August 11-15, 2002.

8/11/2002

Contact: Nicolle Tulve

Brown, K.W., Suh, H.H., Wallace, L.A., and Koutrakis, P. Indoor and outdoor source contributions to personal PM2.5 for a panel of individuals with cardiovascular disease or COPD living in Boston, MA. Presented at: International Society of Exposure Analysis 2002 Conference, Vancouver, Canada, August 11-15, 2002.

8/11/2002

Contact: Lance A. Wallace

Allen, R., Larson, T.V., Wallace, L.A., and Liu, L.-J.S. The use of light scattering data to estimate the contribution of indoor- and outdoor-generated particles to indoor air. Presented at: International Society of Exposure Analysis 2002 Conference, Vancouver, Canada, August 11-15, 2002.

8/11/2002

Contact: Lance A. Wallace

Chang, L.T., Suh, H.H., Wheeler, A., Koutrakis, P., Lau, G., Turpin, B., Colome, S., and Wallace, L.A. Personal, indoor, and outdoor concentrations of PM2.5, particulate nitrate, and elemental carbon for individuals with COPD in Los Angeles, CA. Presented at: International Society of Exposure Analysis 2002 Conference, Vancouver, Canada, August 11-15, 2002.

8/11/2002

Contact: Lance A. Wallace

Liu, L.-J.S., Kalman, D., Kaufman, J., Koenig, J.Q., Larson, T.V., Sheppard, L., Lewtas, J., and Wallace, L.A. Characterization of particulate matter and co-pollutants exposures for compromised and healthy elderly adults in Seattle, WA, 1999-2001. Presented at: International Society for Exposure Analysis 2002 Conference, Vancouver, Canada, August 11-15, 2002.

8/11/2002

Contact: Lance A. Wallace

Wheeler, A., Suh, H., Koutrakis, P., Reid, C., Wallace, L.A., and Ryan, B. Analysis of components of particulate matter (PM2.5) for an exposure assessment study of two sensitive cohorts in Atlanta, GA. Presented at: International Society of Exposure Analysis 2002 Conference, Vancouver, Canada, August 11-15, 2002.

8/11/2002

Contact: Lance A. Wallace

Jan 1, 2002 - Dec 31, 2002	Presented	Published
Kissel, J.C., Showlund, R., Shirai, J.H., Suggs, J.C., and Cohen-Hubal, E.A. Investigation of transfer of fluorescent tracers from surfaces to skin. Presented at: International Society of Exposure Analysis 2002 Conference, Vancouver, Canada, August 11-15, 2002.	8/11/2002	
Contact: Elaine A. Cohen-Hubal		
Riley, W.J., McKone, T.E., and Cohen-Hubal, E.A. Linking dermal modeling and loading data to predict long-term doses from intermittent dermal contact. Presented at: International Society of Exposure Analysis 2002 Conference, Vancouver, Canada, August 11-15, 2002.	8/11/2002	
Contact: Elaine A. Cohen-Hubal		
Vette, A.F., and Vallero, D.A. Environmental monitoring at Ground Zero and Lower Manhattan following the collapse of the WTC. Presented at: NCCU Seminar Class, Durham, NC, March 18, 2002.	3/18/2002	
Contact: Alan Vette		
Alavanja, M., Samanic, C., Dosemeci, M., Lubin, J.H., Tarone, R., Lynch, C., Knott, C., Thomas, K.W., Hoppin, J.A., Barker, J., Coble, J., Sandler, D., and Blair, A. Use of agricultural pesticides and prostate cancer risk in the Agricultural Health Study Cohort. Presented at: International Conference on Pesticide Exposure and Health, Bethesda, MD, July 8-12, 2002.	7/8/2002	
Contact: Kent W. Thomas		
Thornburg, J., Rodes, C., Rodes, E., and Williams, R.W. Relationship between HVAC system operation, air exchange rate, and indoor-outdoor particulate matter ratios. Presented at: International Society of Exposure Analysis 2002 Conference, Vancouver, Canada, August 11-15, 2002.	8/11/2002	
Contact: Ronald W. Williams		
Cohen-Hubal, E.A. Issues in understanding dermal exposures resulting from contact with contaminated surfaces, measuring surface contamination, and characterizing transfers. Presented at: International Conference on Occupational and Environmental Exposures of the Skin, Arlington, VA, September 8-11, 2002.	9/8/2002	
Contact: Elaine A. Cohen-Hubal		
Williams, R.W., Rea, A.W., Suggs, J.C., Leovic, K.W., Vette, A.F., Croghan, C., Sheldon, L.S., Rodes, C., Thornburg, J., Ejire, A., and Sanders, Jr., W. A comparison of environmental exposures to selected air pollutants between two apparent socio-economically diverse populations in the Research Triangle Park metropolitan area. Presented at: 2002 NC Environmental Justice Summit, Durham, NC, October 18-19, 2002.	10/18/2002	
Contact: Ronald W. Williams		
Egeghy, P.P. Mixed models analysis or urbanization level on chlorpyrifos exposure. Presented at: International Society of Expososure Analysis 2002 Conference, Vancouver, Canada, August 11-15, 2002.	8/11/2002	
Contact: James J. Quackenboss		
Ramanathan, K., Apostol, A.B., Rogers, K.R., and Gary, R. A fluorescence based assay for DNA damage: induced by radiation, chemicals and enzymes. Presented at: American Chemical Society, Orlando, FL, April 7-11, 2002.	4/7/2002	
Contact: Kumaran Ramanathan		
Mishra, N.N., Rogers, K.R., and Wang, J. Chromium electroanalysis at screen printed electrode modified by thin films of nickel. Presented at: American Chemical Society, Orlando, FL, April 7-11, 2002.	4/7/2002	
Contact: Kim R. Rogers		

Jan 1, 2002 - Dec 31, 2002 Robertson, G.L. Environmental chemical monitoring in the U.S Presented at: Passive Monitoring	Presented Published 9/23/2002
Symposia, London, UK, September 23-28, 2002.	
Contact: Gary L. Robertson	4/45/0000
Furtaw, Jr., E.J. Overview of the U.S. EPA NERL's Human Exposure Modeling. Presented at: Theories and Practies in Toxicology and Risk Assessment, Cincinnati, OH, April 15-18, 2002.	4/15/2002
Contact: Edwin J. Furtaw	
Rigas, M.L., Okino, M.S., and Quackenboss, J.J. Pharmacokinetic models in the design of biomonitoring programs. Presented at: International Society of Exposure Analysis 2002 Conference, Vancouver, Canada, August 11-15, 2002.	8/11/2002
Contact: Marc L. Rigas	
Scheffe, R., Solomon, P.A., Jones, M., and Pitchford, M. Overview and status of the PM supersites program. Presented at: American Association for Aerosol Research, Charlotte, NC, October 7-11, 2002.	10/7/2002
Contact: Paul A. Solomon	
Dary, C.C., Furtaw, Jr., E.J., Power, F.W., and Blancato, J.N. Physiologically-based pharmacokinetic and pharmacodynamic (PBPK/PD) model for predicting the dermal dose and disposition of organophosphorus insecticides. Presented at: Society for Risk Analysis Meeting, New Orleans, LA, December 8-11, 2002.	12/8/2002
Contact: Curtis C. Dary	
Furtaw, Jr., E.J., Bennett, D.H., and McKone, T.E. An indoor pesticide air and surface concentration model. Presented at: 12th Conference of the International Society of Exposure Analysis, Vancouver, Canada, August 11-15, 2002.	8/11/2002
Contact: Edwin J. Furtaw	
Hutzell, W.T. A regional model for PCDD/F's based on a photochemical model for air quality and particulate matter. Presented at: AGU Fall Meeting, San Francisco, CA, December 6-10, 2002.	12/6/2002
Contact: William T. Hutzell	
Lewtas, J., Meyers, S., Maykut, N., Simpson, C., Kalman, D., Liu, LJ.S., and Larson, T.V. Attribution of particle exposure and risk to combustion source emissions based on personal PAH exposure and urinary metabolites. Presented at: International Society of Exposure Analysis, Vancouver, Canada, August 11-15, 2002.	8/11/2002
Contact: Joellen Jungers (Lewtas)	
Isaacs, K.K., Evans, MV, and Harris, T.R. Visualization-based analysis for a mixed-inhibition binary PBPK model: determination of inhibition mechanism. Presented at: Fifth Tennessee Conference on Biomedical Engineering, Memphis, TN, April 4-6, 2002.	4/4/2002
Contact: Marina Evans	
Lewtas, J., Maykut, N., Kim, E., and Larson, T. Improving source profiles and apportionment of combustion sources using thermal carbon fractions in multivariate receptor models. Presented at: American Association for Aerosol Research, Charlotte, NC, October 7-11, 2002.	10/7/2002
Contact: Joellen Jungers (Lewtas)	
Schantz, M.A., Wise, S., and Lewtas, J. Interlaboratory comparison studies for characterization of organic compounds in particulate matter. Presented at: American Association for Aerosol Research, Charlotte, NC, October 7-11, 2002.	10/7/2002
Contact: Joellen Jungers (Lewtas)	

Jan 1, 2002 - Dec 31, 2002	Presented Published
Lewtas, J., Maykut, N., Kim, E., and Larson, T. Source apportionment of PM2.5 in Seattle, WA urban improve site: comparison of three receptor models and source profiles. Presented at: 2003 AAAR PM Meeting, Pittsburgh, PA, March 31-April 4, 2003.	3/31/2002
Contact: Joellen Jungers (Lewtas)	
Dary, C.C., Knaak, J.B., Power, F.W., Thompson, C.B., and Blancato, J.N. Predictive organophosphorus (OP) pesticide QSARS and PBPK/PD models for risk assessment of susceptible sub-populations. Presented at: Society of Toxicology, Las Vegas, NV, September 26-27, 2002.	9/26/2002
Contact: Jerry Blancato	
Robertson, G.L., Hern, S.C., and Rogers, K.R. Time-integrated exposure measures to improve the predictive power of exposure classification for epidemiologic studies. Presented at: National Children's Study Meeting, Baltimore, MD, December 17-18, 2002.	12/17/2002
Contact: Gary L. Robertson	
Egeghy, P.P., Quackenboss, J.J., Ozkaynak, H., and Ryan, P.B. Alternative exposure measurement designs to improve epidemiological study designs: determinants of temporal variability in environmental concentrations, exposures, and biomarkers. Presented at: National Children's Study Meetings, Baltimore, MD, December 17-18, 2002.	12/17/2002
Contact: Peter Egeghy	
Quackenboss, J.J., Egeghy, P.P., Ozkaynak, H., and Thompson, C.B. Alternative exposure measurement designs to improve epidemiological study designs: use of human exposure study data to identify exposure questions for use in the NCS. Presented at: National Children's Study Meetings, Baltimore, MD, December 17-18, 2002.	12/17/2002
Contact: James J. Quackenboss	
Whitaker, D.A., and Bradman, A. Exposures and health of farm worker children in California. Presented at: National Children's Study Meetings, Baltimore, MD, December 16-18, 2002.	12/16/2002
Contact: Donald Whitaker	
Williams, R.W., Rea, A.W., Suggs, J.C., Leovic, K.W., Vette, A.F., Sheldon, L.S., Rodes, C., Thornburg, J., Ejire, A., and Sanders, W., Jr. Exposure assessment from the NERL Research Triangle Park particulate matter panel study. Presented at: NCCU Environmental Seminar, Durham, NC, October 1, 2002.	10/1/2002
Contact: Ronald W. Williams	
Tulve, N.S. NERL's quest to reduce uncertainties in children's health and risk assessments. Presented at: Student Seminar for Brown Bag Lunch Series, Durham, NC, October 22, 2002.	10/22/2002
Contact: Nicolle Tulve	
Stevens, C. Overview of the Tampa asthmatic children's study. Presented at: West Central Florida Air Quality Coordinating Committee, Tampa, FL, October 18, 2002.	10/18/2002
Contact: Ellen W. Streib	
Leovic, K.W., Williams, R.W., Ejire, A., Thornburg, J., and Rodes, C.E. Recruiting and retaining African-Americans for an exposure study in Southeast Raleigh. Presented at: 2002 North Carolina Environmental Justice Summit, Durham, NC, October 18-19, 2002.	10/18/2002
Contact: Kelly Leovic	

Jan 1, 2002 - Dec 31, 2002	Presented Published
Sheldon, L.S., Cohen-Hubal, E.A., Tulve, N.S., Morgan, M.K., Stout, II, D.M., Melnyk, L.J., and Fortmann, R.C. EPA children's pesticide exposure measurement program. Presented at: 2002 International State of Science Symposium on Agricultural Exposures and Cancer, Oxford, United Kingdom, November 19-22, 2002.	11/19/2002
Contact: Linda Sheldon	
Thomas, K.W. Agricultural health study/pesticide exposure study: status update and preliminary results. Presented at: North Carolina Field Station Advisory Panel Meeting, Raleigh, NC, November 13, 2002.	11/13/2002
Contact: Ellen W. Streib	
Leovic, K.W., Williams, R.W., Ejire, A., Thornburg, J., and Rodes, C.E. Recruiting and retaining participants for an exposure study in Southeast Raleigh. Presented at: 2002 North Carolina Environmental Justice Summit, Durham, NC, October 18, 2002.	10/18/2002
Contact: Kelly Leovic	
Fortmann, R. Demonstration of low cost, low burden exposure monitoring strategies. Presented at: National Children's Study Assembly Meeting, Baltimore, MD, December 17-18, 2002.	12/17/2002
Contact: Roy Fortmann	
Alavanja, M., Sandler, D., Lynch, C., Knott, C., Lubin, J.H., Tarone, R., Thomas, K.W., Dosemeci, M., Barker, J., Hoppin, J.A., and Blair, A. Cancer incidence in the agricultural health study. Presented at: 2002 International State of Science Symposium on Agricultural Exposures and Cancer, Oxford, United Kingdom, November 19-22, 2002.	11/19/2002
Contact: Ellen W. Streib	
Vallero, D.A. Ethics and justice in environmental science and engineering. Presented at: Shaw University Visiting Scientists Program, Raleigh, NC, November 16, 2002.	11/16/2002
Contact: Kelly Leovic	
Thomas, K.W., Sheldon, L.S., Sandler, D., Dosemeci, M., and Alavanja, M. Agricultural health study/pesticide exposure study: study design and preliminary biomarker results. Presented at: 2002 International State of Science Symposium on Agriculatural Exposures and Cancer, Oxford, United Kingdom, November 19-22, 2002.	11/19/2002
Contact: Ellen W. Streib	
Lindstrom, A.B., and Pleil, J.D. Exhaled breath analysis and exposure assessment research. Presented at: NCCU Environmental Science Seminar, Durham, NC, November 5, 2002.	11/5/2002
Contact: Andrew B. Lindstrom	
Bradham, K., Basta, N., Lano, R., Schroder, J., and Payton, M. Effect of soil properties on the toxicity and bioavailability of metals. Presented at: 7th International Conference on the Biogeochemistry of Trace Elements, Uppsala, Sweden, June 15-19, 2003.	6/15/2002
Contact: Karen Bradham	
Huber, A.H. Visualization and simulation of toxic air pollutants released in urban areas-including homeland security applications. Presented at: Homeland Security Summit, Washington, DC, November 13, 2002.	11/13/2002
Contact: Alan H. Huber	
Mukerjee, S. Recent applications of source apportionment methods and related needs. Presented at: Environment Seminar Series, St. Louis, MS, October 4, 1992.	10/4/2002
Contact: Shaibal Mukerjee	

Technical Information Manager: Liz Hope (919) 541-2785

Jan 1, 2002 - Dec 31, 2002

Presented Published

Zartarian, V., Xue, J., Ozkaynak, H., Glenn, G., Stallings, C., Smith, L., Dang, W., Cook, N., Aviado, D., Mostaghimi, S., and Chen, J. Modeling exposure and dose of children to wood treatment preservatives from playsets and home decks. Presented at: Society for Risk Analysis Conference, New Orleans, LA, December 8-11, 2002.

12/8/2002

Contact: Curtis M. Morris

Vette, A.F., Landis, M.S., Williams, R.W., LaPosta, D., Kantz, M., Filippelli, J., Webb, L., Ellestad, T.G., and Vallero, D.A. Concentrations and speciation of PM at Ground Zero and Lower Manhattan following the collapse of the WTC. Presented at: Environmental Science Seminar, Durham, NC, September 17, 2002.

9/17/2002

Contact: Curtis M. Morris

Zartarian, V., Xue, J., and Ozkaynak, H. Quantifying aggregate chlorpyrifos exposure and dose tochildren using a physically-based two-stage Monte Carlo probabilistic model. Presented at: Society for Risk Analysis Conference, New Orleans, LA, December 8-11, 2002.

12/8/2002

Contact: Curtis M. Morris

BOOK CHAPTR

Lindstrom, A.B., and Pleil, J.D. "Volatile organic compounds as exposure biomarkers." In: Disease Markers in Exhaled Breath, First Edition N. Marczin & M.H. Yacoub (Ed.), Amsterdam, The Netherlands: IOS Press.

9/25/2002

Contact: Andrew B. Lindstrom

Knaak, J.B., Dary, C.C., Patterson, G.T., and Blancato, J.N. "Worker hazard posed by reentry into pesticide-treated foliage: reassessment of reentry levels/intervals using foliar residue transfer - percutaneous absorption PBPK/PD models, with emphasis on isofenphos and parathion." In: Human and Ecological Risk Assessment: Theory and Practice, Chapter 13 New York, NY: John Wiley & Sons, Inc. 2002, 673-731.

5/1/2002

Contact: Curtis C. Dary

JOURNAL

Zidek, J., Sun, L., Le, N.D., and Ozkaynak, H. Contending with space-time interaction in the spatial prediction of pollution: Vancouver's hourly ambient PM 10 field. Environmetrics 13 (5-6):595-613 (2002).

9/30/2002

Contact: A. Haluk Ozkaynak

Tulve, N.S., Suggs, J.C., McCurdy, T.R., Cohen-Hubal, E.A., and Moya, J. Frequency of mouthing behavior in young children. Journal of Exposure Analysis and Environmental Epidemiology 12:259-264 (2002). EPA/600/J-02/392.

7/9/2002

Contact: Thomas R. McCurdy

Kleindienst, T.E., Corse, E.W., Li, W., McIver, C.D., Conver, T.S., Edney, E.O., Driscoll, D.J., Speer, R.E., Weathers, W.S., and Tejada, S.B. Secondary organic aerosol formation from the irradiation of simulated automobile exhaust. Journal of the Air & Waste Management Association 52 (3):259-272 (2002). EPA/600/J-02/126.

3/1/2002

Contact: Edward O. Edney

Mukerjee, S. Communication strategy of transboundary air pollution findings in a U.S.-Mexico Border XXI program project. Environmental Management (New York, NY: Springer-Verlag, Inc.) 29 (1):34-56 (2002). EPA/600/J-02/065.

1/2/2002

Contact: Shaibal Mukerjee

Technical Information Manager: Liz Hope (919) 541-2785

Jan 1, 2002 - Dec 31, 2002	Presented Published
Vette, A.F., Landis, M.S., and Keeler, G.J. Deposition and emission of gaseous mercury to and from Lake Michigan during the Lake Michigan mass balance study (July, 1994 - October, 1995). Environmental Science & Technology 36 (21):4525-4532 (2002). EPA/600/J-02/417.	7/30/2002
Contact: Matthew S. Landis	
Lindberg, S.E., Brooks, S., Lin, C.J., Scott, K.J., Landis, M.S., Stevens, R.K., Goodsite, M., and Richter, A. Dynamic oxidation of gaseous mercury in the arctic troposphere at polar sunrise. Environmental Science & Technology 36 (6):1245-1256 (2002). EPA/600/J-02/318.	2/13/2002
Contact: Matthew S. Landis	
Klouda, G.A., Lewis, C.W., Stiles, D.C., Marolf, J.L., Ellenson, W.D., and Lonneman, W.A. Biogenic contributions to atmospheric volatile organic compounds in Azusa CA. Journal of Geophysical Research-Atmospheres 107 (D8):7-1-7-13 (2002). EPA/600/J-03/016.	4/27/2002
Contact: Charles W. Lewis	
Landis, M.S., Vette, A.F., and Keeler, G.J. Atmospheric mercury in the Lake Michigan basin: influence of the Chicago/Gary urban area. Environmental Science & Technology 36 (21):4508-4517 (2002). EPA/600/J-02/419.	7/30/2002
Contact: Matthew S. Landis	
Landis, M.S., and Keeler, G.J. Atmospheric mercury deposition to Lake Michigan during the Lake Michigan mass balance study. Environmental Science & Technology 36 (21):4518-4524 (2002). EPA/600/J-02/418.	7/30/2002
Contact: Matthew S. Landis	
Baldauf, R.W., Wiener, R.W., and Heist, D.K. Methodology for siting ambient air monitors at the neighborhood scale. Journal of the Air & Waste Management Association 52 (0):11433-1442 (2002).	12/1/2002
Contact: Russell W. Wiener	
Cardello, N., Volckens, J., Tolocka, M.P., Wiener, R.W., and Buckley, T.J. Technical Note: Performance of a personal electrostatic precipitator particle sampler. Aerosol Science and Technology 36 (2):162-165 (2002). EPA/600/J-02/362.	2/1/2002
Contact: Russell W. Wiener	
Eisner, A.D., and Wiener, R.W. Discussion and evaluation of the volatility test for equivalency of other methods to the federal reference method for fine particulate matter. Aerosol Science and Technology 36 (4):433-440 (2002). EPA/600/J-02/355.	4/1/2002
Contact: Russell W. Wiener	
McClenny, W.A., Williams, E.J., Cohen, R.C., and Stutz, J. Preparing to measure the effects of the NOx SIP call - methods for ambient air monitoring of NO, NO2, NOy and individual NOz species. Journal of the Air & Waste Management Association 52 (5):542-562 (2002). EPA/600/J-02/354.	5/1/2002
Contact: William A. McClenny	
Liu, S., and Pleil, J.D. Human blood and environmental media screening method for pesticides and polychlorinated biphenyl compounds using liquid extraction and gas chromatography-mass spectrometry analysis. Journal of Chromatography: B Biomedical Sciences and Applications 769 (1):155-167 (2002). EPA/600/J-02/356.	3/15/2002

Contact: Joachim D. Pleil

Jan 1, 2002 - Dec 31, 2002 Lindstrom, A.B., and Pleil, J.D. A review of the US EPA's single breath canister (SBC) method for exhaled volatile organic biomarkers. Biomarkers 7 (3):189-208 (2002). EPA/600/J-02/428.	Presented Published 5/1/2002
Contact: Andrew B. Lindstrom	
Eisner, A.D., Heist, D.K., Drake, Z.E., Mitchell, W.J., and Wiener, R.W. On the impact of the human (child) microclimate on passive aerosol monitor performance. Aerosol Science and Technology 36 (7):803-813 (2002). EPA/600/J-02/361.	7/1/2002
Contact: Curtis M. Morris	
Gordon, S.M., Wallace, L.A., Brinkman, M.C., Callahan, P.J., and Kenny, D.V. Volatile organic compounds as breath biomarkers for active and passive smoking. Environmental Health Perspectives 110 (7):689-698 (2002). EPA/600/J-02/357.	7/1/2002
Contact: Lance A. Wallace	
Howard-Reed, C., Wallace, L.A., and Ott, W.R. The effect of opening windows on air change rates in two homes. Journal of the Air & Waste Management Association (2001).	2/1/2002
Contact: Lance A. Wallace	
LaRosa, L., Buckley, T.J., and Wallace, L.A. Real-time indoor and outdoor measurements of black carbon in an occupied house: an examination of sources. Journal of the Air & Waste Management Association 52:41-49 (2002). EPA/600/J-02/493.	1/1/2002
Contact: Lance A. Wallace	
Blair, A., Tarone, R., Sandler, D., Lynch, C., Rowland, A.S., Wintersteen, W., Steen, W.C., Samanic, C., Dosemeci, M., and Alavanja, M. Reliability of reporting on lifestyle and agricultural factors by a sample of participants in the agricultural health study from Iowa: +. Epidemiology 13 (1):94-99 (2002). EPA/600/J-02/494.	1/1/2002
Contact: Kent W. Thomas	
Clayton, C.A., Pellizzari, E.D., and Quackenboss, J.J. National Human Exposure Assessment Survey (NHEXAS): analysis of exposure pathways and routes for arsenic and lead in EPA Region 5. Journal of Exposure Analysis and Environmental Epidemiology 12 (1):29-43 (2002). EPA/600/J-02/241.	1/1/2002
Contact: James J. Quackenboss	
Chough, S.H., Mulchandani, A., Mulchandani, P., Chen, W., Wang, J., and Rogers, K.R. Organophosphorus hydrolase-based amperometric sensor: modulation of sensitivity and substrate selectivity. Electroanalysis 14 (4):273-276 (2002). EPA/600/J-02/216.	3/11/2002
Contact: Kim R. Rogers	
Weetal, H.H., and Rogers, K.R. A simple assay for 2,4-dichlorophenoxyacetic acid using coated test-strips. Analytical Letters 35 (8):1341-1348 (2002). EPA/600/J-02/416.	8/5/2002
Contact: Kim R. Rogers	
Lioy, P.J., Weisel, C.P., Millette, J.R., Eisenreich, S., Vallero, D.A., Offenberg, J., Buckley, B., Turpin, B., Zhong, M., Cohen, M.D., Prophete, C., Yang, I., Stiles, R., Chee, G., Johnson, W., Alimokhtari, S., Weschler, C., and Chen, L.C. Characterization of the dust/smoke aerosol that settled east of the World Trade Center (WTC) in Lower Manhattan after the collapse of the WTC 11 September 2001. Environmental Health Perspectives 110 (7):703-712 (2002). EPA/600/J-02/420.	7/1/2002
Contact: Roy B. Zweidinger	

Technical Information Manager: Liz Hope (919) 541-2785

Jan 1, 2002 - Dec 31, 2002

Presented Published

SYMPOS/CONF

Fortmann, R.C., Sheldon, L.S., Cohen-Hubal, E.A., Morgan, M.K., Stout, II, D.M., Thomas, K.W., Tulve, N.S., and Whitaker, D.A. The EPA National Exposure Research Laboratory children's pesticide exposure measurement program. Presented at: Indoor Air 2002, Monterey, CA, June 30-July 5, 2002. EPA/600/A-02/032 (NTIS PB2002-106286).

6/30/2002

Contact: Roy Fortmann

Stout, II, D.M., and Mason, M.A. The distribution of chlorpyrifos following a crack and crevice type application in the U.S. EPA indoor air quality test house. Presented at: 9th International Conference on Indoor Air Quality and Climate, Monterey, CA, June 30-July 5, 2002. EPA/600/A-02/059 (NTIS PB2002-106742).

6/30/2002

Contact: Dan Stout

Wallace, L.A., Croghan, C., Howard-Reed, C., and Persily, A. PMHOME: A database of continuous particle measurements in an occupied house over a four-year period. Presented at: Indoor Air 2002, Monterey, CA, June 30-July 5, 2002. EPA/600/A-02/031 (NTIS PB2002-106287).

6/30/2002

Contact: Lance A. Wallace

Blancato, J.N., Power, F.W., Wilkes, C.R., Tsang, A.M., Hern, S.C., and Olin, S.S. Integrated probabilistic and deterministic modeling techniques in estimating exposure to water-borne contaminants: part 2 pharmacokinetic modeling. Presented at: Indoor Air 2002, Monterey, CA, June 30-July 5, 2002. EPA/600/A-02/076 (NTIS PB2002-107513).

6/30/2002

Contact: Jerry Blancato

Wilkes, C.R., Blancato, J.N., Hern, S.C., Power, F., and Olin, S.S. Integrated probabilistic and deterministic modeling techniques in estimating exposure to water-borne contaminants: part 1 exposure modeling. Presented at: Indoor Air 2002, Monterey, CA, June 30-July 5, 2002. EPA/600/A-02/070 (NTIS PB2002-107518).

6/30/2002

Contact: Stephen C. Hern

Wilkes, C.R., Hern, S.C., and Mason, A.D. Analysis of household water use behavior for use as IAQ model parameters. Presented at: Indoor Air 2002, Monterey, CA, June 30-July 5, 2002. EPA/600/A-02/072 (NTIS PB2002-107516).

6/30/2002

Contact: Stephen C. Hern

Robertson, G.L., Lebowitz, M., Needham, L., O'Rourke, M.K., Rogan, S.R., Petty, J., and Huckins, J. Distribution of residential organochlorine pesticide residuals along the Arizona/Mexico Border. Presented at: Indoor Air 2002, Monterey, CA, June 30-July 5, 2002. EPA/600/A-02/071 (NTIS PB2002-107517).

6/30/2002

Contact: Gary L. Robertson

Technical Information Manager: Liz Hope (919) 541-2785

Ion	1	2001	-	$D_{\alpha\alpha}$	21	. 2001
Jan	Ι.	$\angle(\mathcal{M})$	_	Dec	.) [. 4001

Presented Published

ABSTRCT/ORAL

Burke, J.M., Xue, J., and Ozkaynak, H. Population exposures to particulate matter: a comparison of exposure model predictions and measurement data. Presented at: 11th Annual Meeting of the International Society of Exposure Analysis, Charleston, SC, November 4-8, 2001.

11/4/2001

Contact: Janet Burke

Shreffler, J.H. Data from a solar ultraviolet monitoring network. Presented at: Department of Statistics, Chapel Hill, NC, January 22, 2001.

1/22/2001

Contact: Jack H. Shreffler

Swartz, E.C., Stockburger, L., and Gundel, L.A. Characterization of ambient aerosols at Laporte, Texas during TEXAQS-2000. Presented at: American Association for Aerosol Research, Portland, OR, October 15-19, 2001.

10/15/2001

Contact: Leonard Stockburger

Swartz, E.C., Stockburger, L., and Gundel, L.A. Recovery of semi-volatile organic compounds during sample preparation: implications for characterization of airborne particulate matter. Presented at: American Association for Aerosol Research, Portland, OR, October 15-19, 2001.

10/15/2001

Contact: Leonard Stockburger

Zartarian, V. Summary of state-of-science and practice regarding micro-activity data. Presented at: Workshop on Micro/Macro-Activity Data Needs to Improve Multi-Media, Multi-Pathway Exposure/Intake Dose Assessments, Research Triangle Park, NC, May 17-18, 2001.

5/17/2001

Contact: Valerie G. Zartarian

Swartz, E.C., Stockburger, L., and Gundel, L.A. Recovery of semi-volatile organic compounds during sample preparation: implications for characterization of airborne particulate matter. Presented at: Gordon Conference on Atmospheric Chemistry, Newport, RI, June 17-22, 2001.

6/17/2001

Contact: Leonard Stockburger

Zartarian, V., Ozkaynak, H., and Xue, J. Quantifying aggregate chlorpyrifos exposure and dose to children using a physically-based two-stage Monte Carlo probabilistic model. Presented at: 11th Annual Meeting of the International Society of Exposure Analysis, Charleston, SC, November 4-8, 2001.

11/4/2001

Contact: Valerie G. Zartarian

Zartarian, V., Ozkaynak, H., and Xue, J. Assessing residential exposure using the stochastic human exposure and dose simulation (SHEDS) model. Presented at: 11th Annual Meeting of the International Society of Exposure Analysis, Charleston, SC, November 4-8, 2001.

11/4/2001

Contact: Valerie G. Zartarian

Hore, P., Zartarian, V., Xue, J., Ozkaynak, H., Barr, D., Needham, L., Freeman, N.C.G., Roy, A., and Lioy, P.J. Comparison of field measurements from a children's pesticide study against predictions from a physically based probabilistic model for estimating children's residential exposure and dose to chlorpyrifos. Presented at: 11th Annual Meeting of the International Society of Exposure Analysis, Charleston, SC, November 4-8, 2001.

11/4/2001

Contact: Valerie G. Zartarian

Swartz, E.C., Stockburger, L., and Gundel, L.A. Characterization of ambient particles at LaPorte, TX, during TEXAQS-2000. Presented at: Texas 2000 Air Quality Study (TexAQS 2000) Science Team Meeting, Austin, TX, August 6-11, 2001.

8/6/2001

Contact: Leonard Stockburger

Technical Information Manager: Liz Hope (919) 541-2785

Jan 1, 2001 - Dec 31, 2001 Ozkaynak, H., Zartarian, V., Xue, J., Furtaw, Jr., E.J., and Rigas, M.L. Modeling exposures to pesticides approaches and modeling needs. Presented at: Workshop on Exposure of Children to Pesticides, Berlin, Germany, September 27-29, 2001.	Presented Published 9/27/2001
Contact: A. Haluk Ozkaynak	
Swartz, E.C., Stockburger, L., and Gundel, L.A. Recovery of semi-volatile organic compounds during sample preparation: implications for characterization of airborne particulate matter. Presented at: Texas 2000 Air Quality Study (TexAQS 2000) Science Team Meeting, Austin, TX, August 6-11, 2001.	8/6/2001
Contact: Leonard Stockburger	
Norris, G.A., Mukerjee, S., Ozkaynak, H., Smith, L.A., Noble, C.A., Rodes, C.E., Gonzales, M., and Neas, L. Relationship between fine and ultrafine particle number and VOC species in El Paso, Texas. Presented at: American Association for Aerosol Research, Portland, OR, October 15-19, 2001.	10/15/2001
Contact: Shaibal Mukerjee	
Landis, M.S., Stevens, R.K., and Keeler, G.J. Standardized automated and manual methods to speciate mercury: field and laboratory studies. Presented at: 6th International Conference on Mercury as a Global Pollutant, Minamata, Japan, October 15-19, 2001.	10/15/2001
Contact: Matthew S. Landis	
Landis, M.S., and Stevens, R.K. Preliminary results from the USEPA mercury speciation network and aircraft measurement campaigns. Presented at: 6th International Conference on Mercury as a Global Pollutant, Minamata, Japan, October 15-19, 2001.	10/15/2001
Contact: Matthew S. Landis	
Landis, M.S., Stevens, R.K., Luke, W., and Keeler, G.J. Investigating the influence of long range transport on mercury deposition in south Florida. Presented at: 6th International Conference on Mercury as a Global Pollutant, Minamata, Japan, October 15-19, 2001.	10/15/2001
Contact: Matthew S. Landis	
Noble, C.A., Rodes, C.E., Lawless, P.A., Natarajan, S., Myers, E.A., Mukerjee, S., Ozkaynak, H., Gonzales, M., and Neas, L. Correlation of fine and ultrafine particulate matter with meteorological conditions and criteria pollutants in El Paso, Texas. Presented at: American Association for Aerosol Research, Portland, OR, October 15-19, 2001.	10/15/2001
Contact: Shaibal Mukerjee	
Lewis, C.W., Klouda, G.A., and Ellenson, W.D. Radiocarbon measurements on PM 2.5 ambient aerosol from Nashville, TN. Presented at: American Association for Aerosol Research Annual Meeting, Portland, OR, October 15-19, 2001.	10/15/2001
Contact: Charles W. Lewis	
Noble, C.A., Murdoch, R.W., Natarajan, S., Vanderpool, R.W., Gemmill, D.B., and Wiener, R.W. Field evaluation of a sampling approach for PM-coarse aerosols. Presented at: American Association for Aerosol Research, Portland, OR, October 15-19, 2001.	10/15/2001
Contact: Elizabeth T. Hunike	
Richmond-Bryant, J., Eisner, A.D., Heist, D.K., Mitchell, W.J., and Wiener, R.W. New versatile aerosol generation system developed for use in a large wind tunnel. Presented at: American Association for Aerosol Research, Portland, OR, October 15-19, 2001.	10/15/2001

Contact: Elizabeth T. Hunike

Technical Information Manager: Liz Hope (919) 541-2785

	Jan 1	1. 2001	- Dec 31, 2001	Presented Published
--	-------	---------	----------------	---------------------

Willis, R.D., Ellenson, W.D., and Conner, T.L. Identification of FMC emission sources contributing to ambient PM10 on the Fort Hall reservation. Presented at: Pacific Northwest Tribal Air Network Quarterly Meeting, Pocatello, ID, August 9-10, 2001.

8/9/2001

Contact: Teri L. Conner

McClenny, W.A., Oliver, K.D., Jacumin, Jr., H.H., and Daughtrey, Jr., E.H. Ambient VOC monitoring using solid adsorbents - NERL, U.S. EPA. Presented at: International Symposium on Thermal Desorption for Occupational, Medicinal, and Environmental Chemical Analysis, Birmingham, AL, October 9-10, 2001.

10/9/2001

Contact: William A. McClenny

Cole, D., Sobsey, M.D., Bumgarner, J.E., and Robinette, D. Antimicrobial resistance among enteric bacteria isolated from human and animal wastes and impacted surface waters: comparison with NARMS findings. Presented at: National Antimicrobial Resistance Monitoring System Meeting, Rockville, MD, March 15-16, 2001.

3/15/2001

Contact: Myriam Medina-Vera

Holterman, A.L., and Pleil, J.D. A non-invasive diagnosis of intestinal ischemia by exhaled breath analysis using gas chromatography and mass spectrometry-preliminary results. Presented at: American Pediatric Surgical Association Meeting, Naples, FL, May 20-23, 2001.

5/20/2001

Contact: Joachim D. Pleil

Troester, M.A., Lindstrom, A.B., and Rappaport, S.M. Investigation of the radical-mediated production of benzene oxide protein adducts in vitro and in vivo. Presented at: Society of Toxicology Meeting, San Francisco, CA, March 25-29, 2001.

3/25/2001

Contact: Andrew B. Lindstrom

Martin, S.B., Jensen, P.A., and Pleil, J.D. Field-produced JP-8 standard for calibration of lower explosive limit meters used by jet fuel tank maintenance personnel. Presented at: American Industrial Hygiene Conference and Exposition, New Orleans, LA, June 2-7, 2001.

6/2/2001

Contact: Joachim D. Pleil

Lindstrom, A.B., and Pleil, J.D. Alveolar breath sampling and analysis in human exposure assessment studies. Presented at: NATO Advanced Study Institute Conference "Disease Markers in Exhaled Breath: Basic Mechanisms and Clinical Applications", Crete, Greece, June 22-July 1, 2001.

6/22/2001

Contact: Andrew B. Lindstrom

Medina-Vera, M. Science careers at EPA: an exciting opportunity to serve. Presented at: NIH Strategies for Success in Science Seminar Series, Bethesda, MD, January 25, 2001.

1/25/2001

Contact: Myriam Medina-Vera

Pleil, J.D., Leavens, TL, Colon, M., Case, M.W., Prah, J.D., and Ashley, D.L. Measurement of exhaled breath and venous blood to develop a physiologically based pharmacokinetic model for human exposure to methyl tertiary-butyl ether and the production of the biomarker tertiary-butyl alcohol. Presented at: Environmental Sampling and Analysis Seminar, Okinawa, Japan, July 8-22, 2001.

7/8/2001

Contact: Joachim D. Pleil

Pleil, J.D., Colon, M., and Lindstrom, A.B. New methodology for identifying potential human biomarkers by collection and concentration of exhaled breath condensate. Presented at: Environmental Sampling and Analysis Seminar, Okinawa, Japan, July 8-22, 2001.

7/8/2001

Contact: Joachim D. Pleil

Jan 1, 2001 - Dec 31, 2001	Presented	Published
Pleil, J.D., and Lindstrom, A.B. A brief history of the development of exposure assessment methods at US EPA/NERL using alveolar breath as the biological medium. Presented at: Environmental Sampling and Analysis Seminar, Okinawa, Japan, July 8-22, 2001.	7/8/2001	
Contact: Joachim D. Pleil		
Pleil, J.D., and Colon, M. Breath measurement of total body burden of JP-8 jet fuel for epidemiological study. Presented at: 2nd International Conference on Jet Fuel Exposure, San Antonio, TX, August 7-12, 2001.	8/7/2001	
Contact: Joachim D. Pleil		
Lindstrom, A.B., and Pleil, J.D. Alveolar breath sampling and analysis in human exposure assessment studies. Presented at: Department of Anaesthesia and Intensive Care Medicine, University Hospital of Rostock, Rostock, Germany, September 25, 2001.	9/25/2001	
Contact: Andrew B. Lindstrom		
Medina-Vera, M., Harper, S.L., Wright, L.H., Coppedge, E.A., Lumpkin, M.S., and Ferrell, G. Development of chemical methods to characterize exposure to EDCs in the Neuse River Basin. Presented at: Effective Risk Management of Endocrine Disrupting Chemicals, Cincinnati, OH, September 18-19, 2001.	9/18/2001	
Contact: Myriam Medina-Vera		
Medina-Vera, M., Wright, L.H., and Lumpkin, M.S. Methods for the analysis of alkylphenol ethoxylates and derivatives. Presented at: American Chemical Society 221st National Meeting, San Diego, CA, April 1-5, 2001.	4/1/2001	
Contact: Myriam Medina-Vera		
Williams, R.W., Rea, A.W., Suggs, J.C., Leovic, K.W., Vette, A.F., Sheldon, L.S., Rodes, C.E., Thornburg, J., Ejire, A., and Sanders, W., Jr. Mass concentration relationships from the NERL RTP particulate matter panel study. Presented at: 11th Annual Meeting of the International Society of Exposure Analysis, Charleston, SC, November 4-8, 2001.	11/4/2001	
Contact: Ronald W. Williams		
Stout, II, D.M., Mason, M.A., and Vallero, D.A. The spatial and temporal distribution of chlorpyrifos in the U.S. EPA indoor air quality (IAQ) test house following crack and crevice type applications. Presented at: International Conference of Pesticide Exposure and Health Society for Occupational and Environmental Health, Bethesda, MA, December 17-21, 2001.	12/17/2001	
Contact: Dan Stout		
Rea, A.W., Williams, R.W., Rodes, B., Hermann, M., and Thornburg, J. Real-time personal nephelometer and time activity data from the NERL RTP PM panel study. Presented at: 11th Annual Meeting of the International Society of Exposure Analysis, Charleston, SC, November 4-8, 2001.	11/4/2001	
Contact: Ronald W. Williams		
Fortmann, R.C. The EPA/ORD/NERL's Human Exposure Measurements Program - children's focus. Presented at: Non-Dietary Exposure Task Force Information Meeting, Fort Lauderdale, FL, December 4, 2001.	12/4/2001	
Contact: Ellen W. Streib		
Thomas, K.W., Sandler, D.P., Blair, A., and Alavanja, M.C.R. Agricultural health study/pesticide exposure study. Presented at: AHS National Advisory Panel Meeting, Chapel Hill, NC, March 8-9, 2001.	3/8/2001	
Contact: Ellen W. Streib		

Technical Information Manager: Liz Hope (919) 541-2785

Jan 1, 2001 - Dec 31, 2001	Presented	Published
Cohen-Hubal, E.A., and Sheldon, L.S. The US EPA's dermal exposure research program in support of the food quality protection act. Presented at: X2001 Exposure Assessment in Epidemiology and Practice Conference, Goteborg, Sweden, June 10-13, 2001.	6/10/2001	
Contact: Elaine A. Cohen-Hubal		
Lyu, C., Chuang, J.C., Wilson, N.K., and Morgan, M.K. Recruitment strategies for an exposure measurement study of preschool children. Presented at: American Public Health Association, Atlanta, GA, October 21-26, 2001.	10/21/2001	
Contact: Marsha K. Morgan		
Rea, A.W., Williams, R.W., Sheldon, L.S., Thornburg, J., and Rodes, C. Personal particulate matter exposure monitoring: identifying important sources, activities, and locations based on data from the NERL RTP PM panel study. Presented at: American Association for Aerosol Research, Portland, OR, October 15-19, 2001.	10/15/2001	
Contact: Ronald W. Williams		
Vette, A.F., Williams, R.W., Riediker, M., and Thornburg, J. Indoor/outdoor particle size distributions measured in select homes in the Raleigh-Durham-Chapel Hill, NC area. Presented at: American Association for Aerosol Research, Portland, OR, October 15-19, 2001.	10/15/2001	
Contact: Ronald W. Williams		
Morgan, M.K., Vallero, D.A., Chuang, J.C., Lyu, C., and Wilson, N.K. Emerging approaches for assessing the exposure of children to endocrine disruptors. Presented at: National Ground Water Association 2nd International Conference on Pharmaceuticals and Endocrine Disrupting Chemicals in Water, Minneapolis, MI, October 9-11, 2001.	10/9/2001	
Contact: Marsha K. Morgan		
Wilson, N.K., Chuang, J.C., Lyu, C., and Morgan, M.K. PAH concentrations in multiple media at the homes and child day care centers of 130 North Carolina children. Presented at: 18th International Symposium on Polycyclic Aromatic Compounds, Cincinnati, OH, September 9-13, 2001.	9/9/2001	
Contact: Marsha K. Morgan		
Thomas, K.W., Sheldon, L.S., Gordon, S.M., Reynolds, S., Lynch, C., and Alavanja, M.C.R. Agricultural health study/pesticide exposure study: year 1 measurement results. Presented at: 11th Annual Meeting of the International Society of Exposure Analysis, Charleston, SC, November 4-8, 2001.	11/4/2001	
Contact: Ellen W. Streib		
Clothier, J.M., Camann, D.E., Thomas, K.W., and Gordon, S.M. Hand wipe subsampling method for use with biomarker measurements in the agricultural health study/pesticide exposure study. Presented at: 11th Annual Meeting of the International Society of Exposure Analysis, Charleston, SC, November 4-8, 2001.	11/4/2001	
Contact: Ellen W. Streib		
Falconer, R.L., and Morgan, M.K. Occurrence of chiral pesticides in human breast milk and other media. Presented at: Society of Environmental Toxicology and Chemistry 22nd Annual Meeting, Baltimore, MD, November 11-15, 2001.	11/11/2001	
Contact: Marsha K. Morgan		
Wilson, N.K., Lyu, C., Chuang, J.C., and Morgan, M.K. CTEPP: recruiting and field sampling in North Carolina and Ohio. Presented at: 11th Annual Meeting of the International Society of Exposure Analysis, Charleston, SC, November 4-8, 2001.	11/4/2001	

Contact: Marsha K. Morgan

Technical Information Manager: Liz Hope (919) 541-2785

Jan 1, 2001 - Dec 31, 2001	Presented Published
----------------------------	---------------------

Morgan, M.K., Chuang, J.C., Lyu, C., and Wilson, N.K. CTEPP: the database. Presented at: 11th Annual Meeting of the International Society of Exposure Analysis, Charleston, SC, November 4-8, 2001.

11/4/2001

Contact: Marsha K. Morgan

Fortmann, R., and Sheldon, L.S. Demonstration of low cost, low burden exposure monitoring strategies for use in longitudinal cohort studies. Presented at: 11th Annual Meeting of the International Society of Exposure Analysis, Charleston, SC, November 4-8, 2001.

11/4/2001

Contact: Ellen W. Streib

Rodes, C.E., Lawless, P.A., Thornburg, J., Zweidinger, R.B., Norris, G.A., Williams, R.W., Evans, G.F., Wallace, L.A., Sheldon, L.S., and McDow, S.R. The potential influences of face velocity on PM artifact losses for exposure samplers using teflon filter collection substrates. Presented at: 11th Annual Meeting of the International Society of Exposure Analysis, Charleston, SC, November 4-8, 2001.

11/4/2001

Contact: Ronald W. Williams

Leovic, K.W., Highsmith, V.R., Sheldon, L.S., Williams, R.W., Cohen-Hubal, E.A., Morgan, M.K., Stout, II, D.M., and Ejire, A. Recruiting, retaining, and reporting exposure study results to participants and the public. Presented at: 11th Annual Meeting of the International Society of Exposure Analysis, Charleston, SC, November 4-8, 2001.

11/1/2001

Contact: Kelly Leovic

Leovic, K.W., Williams, R.W., Ejire, A., Sanders, W., Jr., Thornburg, J., and Rodes, C.E. Participant recruitment and retention for the NERL RTP PM panel study. Presented at: 11th Annual Meeting of the International Society of Exposure Analysis, Charleston, SC, November 4-8, 2001.

11/4/2001

Contact: Kelly Leovic

Norris, G.A., Tolocka, M.P., Williams, R.W., and Rodes, C.E. Particulate organic carbon measurements collected with low flow personal samplers. Presented at: 11th Annual Meeting of the International Society of Exposure Analysis, Charleston, SC, November 4-8, 2001.

11/4/2001

Contact: Ellen W. Streib

Tulve, N.S., Hore, P., Cohen-Hubal, E.A., Freeman, N.C.G., Lioy, P.J., and Sheldon, L.S. Use of macroactivity approach to assess dermal exposure. Presented at: 11th Annual Meeting of the International Society of Exposure Analysis, Charleston, SC, November 4-8, 2001.

11/4/2001

Contact: Nicolle Tulve

Akland, G.G., Cohen-Hubal, E.A., Raymer, J.H., Sheldon, L.S., and Pellizzari, E.D. Pesticide screening results from eight daycare centers. Presented at: 11th Annual Meeting of the International Society of Exposure Analysis, Charleston, SC, November 4-8, 2001.

11/4/2001

Contact: Elaine A. Cohen-Hubal

Nishioka, M.G., Cohen-Hubal, E.A., Ivancic, W., Andrews, K., and Sowry, J. Dermal and mouthing transfers of surface residues measured using fluorescence imaging. Presented at: 11th Annual Meeting of the International Society of Exposure Analysis, Charleston, SC, November 4-8, 2001.

11/4/2001

Contact: Elaine A. Cohen-Hubal

Cohen-Hubal, E.A., Akland, G.G., Raymer, J.H., Pellizzari, E.D., and Sheldon, L.S. Development and evaluation of an aggregate surface sampling method for use in assessing dermal exposures of young children. Presented at: 11th Annual Meeting of the International Society of Exposure Analysis, Charleston, SC, November 4-8, 2001.

11/4/2001

Contact: Elaine A. Cohen-Hubal

Jan 1, 2001 - Dec 31, 2001 Vette, A.F., Williams, R.W., Riediker, M., and Thornburg, J. Particle size distributions from select residences participating in the NERL RTP PM panel study. Presented at: 11th Annual Meeting of the International Society of Exposure Analysis, Charleston, SC, November 4-8, 2001.	Presented Published 11/4/2001
Contact: Ronald W. Williams	
Thomas, K.W., Sheldon, L.S., Gordon, S.M., Reynolds, S., Lynch, C., and Alavanja, M. Agricultural health study/pesticide exposure study: year 1 measurement results. Presented at: International Conference of Pesticide Exposure and Health, Bethesda, MD, December 17-21, 2001.	12/17/2001
Contact: Ellen W. Streib	
Cohen-Hubal, E.A., Akland, G.G., Leovic, K.W., Raymer, J.H., and Sheldon, L.S. Feasibility of using the macroactivity approach to assess children's dermal exposure to pesticides. Presented at: SOEH International Conference of Pesticide Exposure and Health, Bethesda, MA, December 17-21, 2001.	12/17/2001
Contact: Elaine A. Cohen-Hubal	
Sheldon, L.S., Cohen-Hubal, E.A., and Fortmann, R.C. The EPA children's pesticide exposure measurement program. Presented at: Workshop on Exposure of Children to Pesticides, Berlin, Germany, September 27-29, 2001.	9/26/2001
Contact: Linda Sheldon	
Williams, R.W., Ryan, B., Hern, S.C., Kildosher, L., Witherspoon, C.L., and Hammerstrom, K. Personal exposures to polycyclic aromatic hydrocarbons associated with the NHEXAS pilot. Presented at: 11th Annual Meeting of the International Society of Exposure Analysis, Charleston, SC, November 4-8, 2001.	11/4/2001
Contact: Ronald W. Williams	
Robertson, G.L., Reses, J., Nishioka, M.G., and Lebowitz, M.D. Concentrations of pesticide from dermal surfaces: a comparison of NHEXAS & AZ border samples. Presented at: 11th Annual Meeting of the International Society of Exposure Analysis, Charleston, SC, November 4-8, 2001.	11/4/2001
Contact: Gary L. Robertson	
Van Emon, J.M., Brumley, W.C., Reed, A.W., and Chuang, J.C. Human exposure assessment using immunoassay. Presented at: American Chemical Society 221st National Meeting, Immunochemistry Summit IX Symposium, San Diego, CA, April 1-5, 2001.	4/1/2001
Contact: Jeanette M. Van Emon	
Van Emon, J.M., Brumley, W.C., and Reed, A.W. Elegant environmental immunoassays. Presented at: American Chemical Society 221st National Meeting, Immunochemistry Summit IX Symposium, San Diego, CA, April 1-5, 2001.	4/1/2001
Contact: Jeanette M. Van Emon	
Robertson, G.L., Petty, J.D., Gale, R.W., Cranor, W.L., and Huckins, J.N. A survey of indoor air contaminates using semipermeable membrane devices. Presented at: AWMA Annual Conference, Orlando, FL, June 24-28, 2001.	6/24/2001
Contact: Gary L. Robertson	
Rogers, K.R., Ramanathan, K., and Apostol, A.B. Detection of DNA damage using melting analysis techniques. Presented at: Chemical Sensors and Interfacial Design Conference, Ciocco, Italy, May 6-11, 2001.	5/6/2001
Contact: Kim R. Rogers	

Jan 1, 2001 - Dec 31, 2001 Van Emon, J.M. Evolution of environmental immunochemistry. Presented at: 22nd American Chemical Society National Meeting, Chicago, IL, August 26-30, 2001.	Presented 8/26/2001	Published
Contact: Jeanette M. Van Emon		
Robertson, G.L., Quackenboss, J.J., Hern, S.C., and Thompson, C.B. The human exposure database system (HEDS)-putting the NHEXAS data on-line. Presented at: 11th Annual Meeting of the International Society of Exposure Analysis, Charleston, SC, November 4-8, 2001.	11/4/2001	
Contact: Gary L. Robertson		
Bennett, D.H., and Furtaw, Jr., E.J. A fugacity-based indoor residential pesticide fate model. Presented at: 11th Annual Meeting of the International Society of Exposure Analysis, Charleston, SC, November 4-8, 2001.	11/4/2001	
Contact: Edwin J. Furtaw		
Bennett, D.H., and Furtaw, Jr., E.J. The indoor fugacity model. Presented at: Society of Environmental Toxicology and Chemistry 2001 Annual Meeting, Baltimore, MD, November 11-15, 2001.	11/11/2001	
Contact: Edwin J. Furtaw		
Sohn, M.D., McKone, T.E., Rigas, M.L., Blancato, J.N., Power, F.W., and Tsang, A.M. Reconstructing exposure scenarios using dose biomarkers - an application of bayesian uncertainty analysis. Presented at: International Society of Exposure Analysis Annual Meeting, Charleston, SC, November 4-8, 2001.	11/4/2001	
Contact: Marc L. Rigas		
Quackenboss, J.J., Sheldon, L.S., Hammerstom, K., Robertson, G.L., Hern, S.C., and Leovic, K.W. An overview of the National Human Exposure Assessment Survey (NHEXAS) Phase I studies. Presented at: 11th Annual Meeting of the International Society of Exposure Analysis, Charleston, SC, November 4-8, 2001.	11/4/2001	
Contact: James J. Quackenboss		
Hern, S.C., Bronson, D., Osgood, D., Rosales, C., and O'Rourke, M.K. Modeling of macroscale agricultural elements in pesticide exposure. Presented at: 11th Annual Meeting of the International Society of Exposure Analysis, Charleston, SC, November 4-8, 2001.	11/4/2001	
Contact: Stephen C. Hern		
Maykut, N., Lewtas, J., and Larson, T.V. Source apportionment of PM 2.5 and carbon in Seattle using chemical mass balance and positive matrix factorization. Presented at: AWMA/AGU International Specialty Conference, Bend, OR, October 2-5, 2001.	10/2/2001	
Contact: Joellen Jungers (Lewtas)		
Maykut, N., Lewtas, J., and Larson, T.V. Source apportionment of PM 2.5 and carbon in Seattle using chemical mass balance and positive matrix factorization. Presented at: American Association for Aerosol Research, Portland, OR, October 15-19, 2001.	10/15/2001	
Contact: Joellen Jungers (Lewtas)		
Lewtas, J., Schantz, M.A., and Wise, S.A. Characterization of fine particle associated organic compounds: interlaboratory comparison and development of standard reference materials. Presented at: American Association for Aerosol Research, Portland, OR, October 15-19, 2001.	10/15/2001	
Contact: Joellen Jungers (Lewtas)		

Technical Information Manager: Liz Hope (919) 541-2785

Jan 1, 2001 - Dec 31, 2001

Presented Published

10/21/2001

Lewtas, J. Characterizing the sources of human exposure to mutagenic and carcinogenic chemicals in airborne fine particles. Presented at: International Conference on Environmental Mutagens, Shizuoka, Japan, October 21-26, 2001.

Contact: Joellen Jungers (Lewtas)

Lewtas, J., Binkova, B, Myers, S.R., Lenicek, J., Subrt, P., and Sram, R.J. Biomakers of exposure and metabolic susceptibility to fine particle air pollution. Presented at: BIOMED Seminar, Copenhagen, Denmark, April 26-28, 2001.

4/26/2001

Contact: Joellen Jungers (Lewtas)

BOOK

Solomon, P.A., Norris, G.A., Landis, M.S., and Tolocka, M.P. "Chemical analysis methods for atmospheric aerosol components." In: Aerosol Measurements, Chapter 11 New York, NY: Van Nostrand Reinhold 2001.

1/8/2001

Contact: Paul A. Solomon

Mishra, N.N., Pedersen, J.A., and Rogers, K.R. "Highly sensitive assay for anticholinesterase compounds using 96 well plate format." In: Chemicals in the Environment: Fate, Impacts, and Remediation, Chapter 16 M. L. Phillips (Ed.), Washington, DC: American Chemical Society 2001, 289-305.

12/31/2001

Contact: Kim R. Rogers

BOOK CHAPTR

Rodes, C.E., and Wiener, R.W. "Indoor aerosols and exposure assessment." In: Aerosol Measurement Principles, Techniques and Applications, Chapter 29 New York, NY: John Wiley & Sons, Inc. 859-885.

11/1/2001

Contact: Russell W. Wiener

JOURNAL

Buck, R.J., Ozkaynak, H., Xue, J., Zartarian, V., and Hammerstrom, K. Modeled estimates of chlorpyrifos exposure and dose for the Minnesota and Arizona NHEXAS populations. Journal of Exposure Analysis and Environmental Epidemiology 11 (3):253-268 (2001). EPA/600/J-02/228.

5/1/2001

Contact: A. Haluk Ozkaynak

Burke, J.M., Zufall, M.J., and Ozkaynak, H. A population exposure model for particulate matter: case study results for PM 2.5 in Philadelphia, PA. Journal of Exposure Analysis and Environmental Epidemiology 11 (6):470-489 (2001). EPA/600/J-02/125.

12/1/2001

Contact: Janet Burke

Edney, E.O., Driscoll, D.J., Weathers, W.S., Kleindienst, T.E., Conver, T.S., McIver, C.D., and Li, W. Formation of polyketones in irradiated toluene/propylene/NOx/air mixtures. Aerosol Science and Technology 35 (6):998-1008 (2001). EPA/600/J-02/215.

12/1/2001

Contact: Edward O. Edney

Seila, R.L., Main, H.H., Arriaga, J.L., Martinez, G., and Ramadan, A.B. Atmospheric volatile organic compound measurements during the 1996 Paso del Norte ozone study. Science of the Total Environment 276 (1-3):153-169 (2001). EPA/600/J-01/250.

9/4/2001

Contact: Robert L. Seila

Jan 1, 2001 - Dec 31, 2001 Mukerjee, S., Shadwick, D.S., Smith, L., Somerville, M.C., Dean, K.E., and Bowser, J.J. Techniques to assess cross-border air pollution and application to a U.SMexico border region. Science of the Total Environment 276 (1-3):205-224 (2001). EPA/600/J-01/234.	Presented Published 7/20/2001
Contact: Shaibal Mukerjee	
Smith, L., Mukerjee, S., Monroy, G.J., and Keene, F.E. Preliminary assessments of spatial influences in the Ambos Nogales region of the US-Mexican border. Science of the Total Environment 276 (1-3):83-92 (2001). EPA/600/J-01/235.	7/20/2001
Contact: Shaibal Mukerjee	
Mukerjee, S. Selected air quality trends and recent air pollution investigations in the U.SMexico border region. Science of the Total Environment 276 (1-3):1-18 (2001). EPA/600/J-01/233.	8/1/2001
Contact: Shaibal Mukerjee	
Rodes, C.E., Lawless, P.A., Evans, G.F., Sheldon, L.S., Williams, R.W., Vette, A.F., Creason, J.P., and Walsh, D.B. The relationships between personal PM exposures for elderly populations and indoor and outdoor concentrations for three retirement center scenarios. Journal of Exposure Analysis and Environmental Epidemiology 11 (2):103-115 (2001). EPA/600/J-01/312.	3/1/2001
Contact: Roy B. Zweidinger	
Mamane, Y., Willis, R.D., and Conner, T.L. Evaluation of computer-controlled scanning electron microscopy applied to an ambient urban aerosol sample. Aerosol Science and Technology 34 (1):97-107 (2001). EPA/600/J-01/081.	3/27/2001
Contact: Teri L. Conner	
Vanderpool, R.W., Peters, T., Natarajan, S., Tolocka, M.P., Gemmill, D.B., and Wiener, R.W. Sensitivity analysis of the USEPA WINS PM 2.5 separator. Aerosol Science and Technology 34 (5):465-476 (2001). EPA/600/J-01/264.	9/4/2001
Contact: Curtis M. Morris	
Willis, R.D., Ellenson, W.D., and Conner, T.L. Monitoring and source apportionment of particulate matter near a large phosphorus production facility. Journal of the Air & Waste Management Association 51 (8):1142-1166 (2001). EPA/600/J-01/270.	8/31/2001
Contact: Teri L. Conner	
Vanderpool, R.W., Peters, T., Natarajan, S., Gemmill, D.B., and Wiener, R.W. Evaluation of the loading characteristics of the EPA WINS PM 2.5 separator. Aerosol Science and Technology 34 (5):444-456 (2001). EPA/600/J-01/271.	9/4/2001
Contact: Curtis M. Morris	
Peters, T., Vanderpool, R.W., and Wiener, R.W. Methodology for measuring PM 2.5 separator characteristics using an aerosizer. Aerosol Science and Technology 34 (5):398-406 (2001). EPA/600/J-02/359.	5/1/2001
Contact: Elizabeth T. Hunike	
Peters, T., Vanderpool, R.W., and Wiener, R.W. Design and calibration of the EPA PM 2.5 well impactor ninety-six (WINS). Aerosol Science and Technology 34 (5):389-397 (2001). EPA/600/J-01/277.	5/1/2001
Contact: Elizabeth T. Hunike	
Conner, T.L., Norris, G.A., Landis, M.S., and Williams, R.W. Individual particle analysis of indoor, outdoor, and community samples from the 1998 Baltimore particulate matter study. Atmospheric Environment 35 (23):3935-3946 (2001). EPA/600/J-01/269.	8/31/2001
Contact: Teri L. Conner	

Technical Information Manager: Liz Hope (919) 541-2785

Jan 1, 2001 - Dec 31, 2001	Presented Published
McClenny, W.A., Colon, M., and Oliver, K.D. Ozone reaction with n-aldehydes (n=4-10), benzaldehyde, ethanol, isopropanol, and n-propanol adsorbed on a dual-bed graphitized carbon/carbon molecular sieve adsorbent cartridge. Journal of Chromatography A 929 (1-2):89-100 (2001). EPA/600/J-02/124.	9/1/2001
Contact: William A. McClenny	
Liu, S., and Pleil, J.D. Optimized determination of trace jet fuel volatile organic compounds in human blood using in-field liquid-liquid extraction with subsequent laboratory gas chromatographic-mass spectrometric analysis and on-column large volume injection. Journal of Chemical and Engineering Data 752 (1):159-171 (2001). EPA/600/J-01/267.	3/5/2001
Contact: Joachim D. Pleil	
Buckley, T.J., Pleil, J.D., Bowyer, J.R., and Davis, J.M. Evaluation of methyl tert-butyl ether (MTBE) as an interference on commercial breath-alcohol analyzers. Forensic Science International 123 (2-3):111-118 (2001). EPA/600/J-02/066.	12/1/2001
Contact: Joachim D. Pleil	
Skelly, J.M., Ferdinand, J.A., Jagodzinski, J.A., Savage, J.E., and Mulik, J.D. A13-week comparison of passive and continuous ozone monitors at forested sites in North-Central Pennsylvania. Journal of the Air & Waste Management Association 51 (9):1280-1287 (2001). EPA/600/J-02/217.	9/1/2001
Contact: Avis P. Hines	
Colon, M., Pleil, J.D., Hartlage, T.A., Guardani, M.L., and Martins, M.H. Survey of volatile organic compounds associated with automotive emissions in the urban airshed of Sao Paulo, Brazil. Atmospheric Environment 35 (23):4017-4031 (2001). EPA/600/J-01/251.	8/22/2001
Contact: Joachim D. Pleil	
Harper, S.L., and Gutknecht, W.F. Sources of variability in collection and preparation of paint and lead-coating samples. Journal of Environmental Monitoring 3 (3):335-340 (2001). EPA/600/J-01/180.	6/25/2001
Contact: Sharon L. Harper	
Vette, A.F., Rea, A.W., Lawless, P.A., Rodes, C.E., Evans, E.G., Highsmith, V.R., Creason, J.P., and Sheldon, L.S. Characterization of indoor-outdoor aerosol concentration relationships during the Fresno PM exposure studies. Aerosol Science and Technology 34 (1):118-126 (2001). EPA/600/J-01/114.	5/8/2001
Contact: Linda Sheldon	
Vallero, D.A., Farnsworth, J.L., and Peirce, J.J. Degradation and migration of vinclozolin in sand and soil. Journal of Environmental Engineering 127 (10):952-957 (2001). EPA/600/J-02/429.	10/1/2001
Contact: Daniel Vallero	
Vallero, D.A., and Peirce, J.J. Hydrologic conditions affecting the tropospheric flux of vinclozolin and its degradation products. Hydrological Science and Technology 17 (1-4):371-385 (2001). EPA/600/J-02/492.	12/1/2001
Contact: Daniel Vallero	
Dosemeci, M., Alavanja, M., Rowland, A.S., Mage, D.T., Zahm, S.H., Rothman, N., Lubin, J.H., Hoppin, J.A., Sandler, D.P., and Blair, A. A quantitative approach for estimating exposure to pesticides in the agricultural health study. Annals of Occupational Hygiene 46 (2):245-260 (2002). EPA/600/J-03/017.	7/16/2001

Contact: Kent W. Thomas

Technical Information Manager: Liz Hope (919) 541-2785

Jan 1, 2001 - Dec 31, 2001 Morgan, M.K., Stout, II, D.M., and Wilson, N.K. A feasibility study of the potential for human exposure to pet-borne diazinon residues following lawn applications. Bulletin of Environmental Contamination and Toxicology 66 (3):295-300 (2001). EPA/600/J-01/276.	Presented Published 9/5/2001
Contact: V. Ross Highsmith	
Landis, M.S., Norris, G.A., Williams, R, and Weinstein, J.P. Personal exposure to PM2.5 mass and trace elements in Baltimore, MD, USA. Atmospheric Environment 35 (36):6511-6524 (2001). EPA/600/J-02/071.	12/31/2001
Contact: Ronald W. Williams	
Rea, A.W., Zufall, M.J., Williams, R.W., Sheldon, L.S., and Howard-Reed, C. The influence of human activity patterns on personal PM exposure: a comparative analysis of filter-based and continuous particle measurements. Journal of the Air & Waste Management Association 51 (9):1271-1279 (2001). EPA/600/J-01/311.	9/1/2001
Contact: Ronald W. Williams	
Rogers, K.R., Apostol, A.B., Madsen, S.J., and Spencer, C.W. Fiber optic biosensor for DNA damage. Analytica Chimica Acta 444 (1):51-60 (2001). EPA/600/J-02/064.	10/12/2001
Contact: Kim R. Rogers	
Johnson, J.C., Van Emon, J.M., Clarke, A.N., and Wamsley, B.N. Quantitative ELISA of polychlorinated biphenyls in an oily soil matrix using supercritical fluid extraction. Analytica Chimica Acta 428 (2):191-199 (2001). EPA/600/J-01/297.	9/18/2001
Contact: Jeanette M. Van Emon	
Gerlach, R.W., Gustin, M.S., and Van Emon, J.M. On-site mercury analysis of soil at hazardous waste sites by immunoassay and ASV. Applied Geochemistry 16 (3):281-290 (2001). EPA/600/J-01/062.	1/1/2001

Contact: Jeanette M. Van Emon

Van Emon, J.M. Immunochemical applications in environmental science. Journal of AOAC International 84 (1):125-133 (2001). EPA/600/J-01/113.

Contact: Jeanette M. Van Emon

Rogers, K.R., Becker, J.Y., Cembrano, J., and Chough, S.H. Viscosity and binder composition effects on tyrosinase-based carbon paste electrode for detection of phenol and catechol. Talanta 54 (6):1059-1065 (2001). EPA/600/J-01/274.

Contact: Kim R. Rogers

Moschandreas, D.J., Kim, Y., Karuchit, S., Ari, H., Lebowitz, M.D., O'Rourke, M.K., Gordon, S.M., and Robertson, G.L. In-residence, multiple route exposures to chlorpyrifos and diazinon estimated by indirect method models. Atmospheric Environment 35 (12):2201-2213 (2001). EPA/600/J-01/232.

Gary L. Robertson

Adgate, J.L., Barr, D., Clayton, C.A., Eberly, L.E., Freeman, N.C.G., Lioy, P.J., Needham, L., Pellizzari, E.D., Quackenboss, J.J., Roy, A., and Sexton, K.G. Measurement of children's exposure to pesticides: analysis of urinary metabolite levels in a probability-based sample. Environmental Health Perspectives 109 (6):583-590 (2001). EPA/600/J-01/230.

James J. Quackenboss Contact:

6/1/2001

5/8/2001

7/1/2001

4/1/2001

Technical Information Manager: Liz Hope (919) 541-2785

Jan 1	l. 2001	- Dec 31, 2001	

Rigas, M.L., Okino, M.S., and Quackenboss, J.J. Use of pharmacokinetic model to assess chlorpyrifos exposure and dose in children based on urinary biomarker measurements. Toxicological Sciences 61 (0):374-381 (2001). EPA/600/J-01/284.

9/17/2001

Presented Published

Contact: Marc L. Rigas

Pellizzari, E.D., Smith, D.J., Clayton, C.A., Michael, L.C., and Quackenboss, J.J. An assessment of the data quality for NHEXAS--Part I: exposure to metals and volatile organic chemicals in Region 5. Journal of Exposure Analysis and Environmental Epidemiology 11 (2):140-154 (2001). EPA/600/J-01/236.

7/20/2001

Contact: James J. Quackenboss

Bonanno, L.J., Freeman, N.C.G., Greenberg, M., and Lioy, P.J. Multivariate analysis on levels of selected metals, particulate matter, VOC, and household characteristics and activities from the midwestern states NHEXAS. Applied Occupational and Environmental Hygiene 16 (9):859-874 (2001). EPA/600/J-02/229.

9/1/2001

Contact: James J. Quackenboss

Dary, C.C., Blancato, J.N., and Saleh, M.A. Chemomorphic analysis of malathion in skin layers of the rat: implications for the use of dermatopharmacokinetic (DPK) tape stripping in exposure assessment to pesticides. Regulatory Toxicology and Pharmacology 34 (3):234-248 (2001). EPA/600/J-02/213.

12/1/2001

Contact: Curtis C. Dary

Lewtas, J., Pang, Y., Booth, D., Reimer, S., Eatough, D.J., and Gundel, L.A. Comparison of sampling methods for semi-volatile organic carbon associated with PM 2.5. Aerosol Science and Technology 34 (1):9-22 (2001). EPA/600/J-01/074.

1/1/2001

Contact: Joellen Jungers (Lewtas)

PUB REPORT

Shrock, J., Bowser, J., Mayhew, W., and Stevens, R.K. South Florida mercury monitoring and modeling pilot study. 2001. EPA/600/R-00/102 (NTIS PB2002-100515).

8/28/2001

Contact: Roy B. Zweidinger

Arnold, J.R., Cohen, R.C., Dennis, R.L., Kronmiller, K.G., Luecken, D.J., McClenny, W.A., and Stutz, J. Recommended methods for ambient air monitoring of NO, NO2, NOy, and individual NOz species. 2001. EPA/600/R-01/005 (NTIS PB2001-104379).

1/3/2001

Contact: William A. McClenny

Colon, M., and Duncan, J.W. Quality assurance performance audit report for the Secretaria del Medio Ambiente Ciudad de Mexico, DF, Mexico red automatica de monitoreo atmosferico (RAMA) air quality monitoring stations. 2001. EPA/600/R-01/038 (NTIS PB2001-108589).

5/11/2001

Contact: Maribel Colon

Williams, R.W., Wallace, L.A., Suggs, J.C., Evans, E.G., Creason, J.P., Highsmith, V.R., Sheldon, L.S., Rea, A.W., Vette, A.F., Zweidinger, R.B., Leovic, K.W., Norris, G.A., Landis, M.S., Stevens, C.T., Howard-Reed, C., Conner, T.L., Rodes, C.E., Lawless, P.A., Thornburg, J., Liu, L.J.S., Kalman, D., Kaufman, J., Koenig, J.Q., Larson, T.L., Lumley, T., Sheppard, L., Brown, K., Suh, H., Wheeler, A., Gold, D., Koutrakis, P., and Lippmann, M. Preliminary particulate matter mass concentrations associated with longitudinal panel studies "assessing human exposures of high risk subpopulations to particulate matter". 2001. EPA/600/R-01/086 (NTIS PB2002-100444).

10/15/2001

Contact: Ronald W. Williams

Technical Information Manager: Liz Hope (919) 541-2785

Jan 1, 2001 - Dec 31, 2001

Presented Published

6/28/2001

RESEARCH RPT

Stump, F.D., Tejada, S.B., Dropkin, D.L., Loomis, C., and Pack, C. Characterization of emissions from malfunctioning vehicles fueled with oxygenated gasoline-ethanol (E-10) fuel-part II. 2001. EPA/600/R-01/053 (NTIS PB-2002-107676).

Contact: Frederick D. Stump

Technical Information Manager: Liz Hope (919) 541-2785

ABSTRCT/ORAL

Mason, M.A., Sheldon, L.S., Guo, Z., and Stout, II, D.M. Carpet as a sink for chlorpyrifos following the use of total release aerosols in the EPA test house. Presented at: Engineering Solutions to Indoor Air Quality Problems, Raleigh, NC, July 17-19, 2000.

7/17/2000

Contact: Linda Sheldon

Tonnesen, G.S., and Luecken, D.J. Intercomparison of photochemical mechanisms using response surfaces and process analysis. Presented at: Millenium NATO/CCMS International Technical Meeting on Air Pollution Modeling and Its Application, Boulder, CO, May 15-19, 2000.

5/19/2000

Contact: Deborah J. Luecken

Godar, D.E., Wengraitis, S.P., Shreffler, J.H., and Sliney, D. Average annual solar UV dose of the continental US citizen. Presented at: 13th International Congress on Photobiology, San Francisco, CA, July 2-6, 2000.

7/2/2000

Contact: Jack H. Shreffler

Stockburger, L. Aerosol size distribution and chemical speciation of Cornella Fort Airport: Nashville 99 SOS. Presented at: SOS Data Analysis Workshop 2000, Research Triangle Park, NC, March 6-10, 2000.

3/6/2000

Contact: Leonard Stockburger

Conver, T.S., Kleindienst, T.E., Li, W., McIver, C.D., Corse, E.W., and Edney, E.O. SOA yields and organic product distribution from natural hydrocarbon/NOx irradiations. Presented at: 19th Annual AAAR Conference, St. Louis, MO, November 6-10, 2000.

11/6/2000

Contact: Robert L. Seila

Shreffler, J.H. Data from EPA's UV monitoring network. Presented at: 13th International Congress on Photobiology, San Francisco, CA, July 2-6, 2000.

7/2/2000

Contact: Jack H. Shreffler

Ott, W.R., Switzer, P., Klepeis, N., Zartarian, V., and Brauer, M. Determining particle emission source strengths for common residential indoor sources using real-time measurements and piecewise-continuous solutions to the mass balance equation. Presented at: ISEA 2000 Exposure Analysis in the 21st Century: Integrating Science, Policy and Quality of Life, Monterey Peninsula, CA, October 24-27, 2000.

10/24/2000

Contact: Valerie G. Zartarian

Lewis, C.W., Klouda, G.A., and Ellenson, W.D. Radiocarbon measurements on PM-2.5 ambient aerosol. Presented at: NARSTO 2000 Tropospheric Aerosols: Science and Decisions in an International Community, Queretaro, Mexico, October 23-26, 2000.

10/24/2000

Contact: Charles W. Lewis

Lewis, C.W., Stockburger, L., Klouda, G.A., Ellenson, W.D., and Fortune, C.R. Radiocarbon analysis of PM 2.5 ambient aerosol. Presented at: SOS Data Analysis Workshop 2000, Research Triangle Park, NC, March 6-10, 2000.

3/6/2000

Contact: Charles W. Lewis

Zweidinger, R.B. Ambient Air Quality Monitoring. Presented at: International Workshop on Air Quality Management, Beijing, China, April 26-28, 2000.

3/7/2000

Contact: Roy B. Zweidinger

Technical Information Manager: Liz Hope (919) 541-2785

Jan 1, 2000 - Dec 31, 2000 Landis, M.S., Norris, G.A., Williams, R.W., Sheldon, L.S., and Creason, J.P. Personal exposures to PM 2.5 mass and trace elements in Baltimore, Maryland. Presented at: PM 2000 AWMA Conference, Charleston, SC, January 24-28, 2000.	Presented Published 1/25/2000
Contact: Roy B. Zweidinger	
Evans, G.F., Highsmith, V.R., Sheldon, L.S., Suggs, J.C., Williams, R.W., Zweidinger, R.B., Creason, J.P., Walsh, D.B., Rodes, C.E., and Lawless, P.A. The 1999 Fresno particulate matter exposure studies: comparison of community, outdoor, and residential PM mass measurements. Presented at: PM 2000 AWMA Conference, Charleston, SC, January 24-28, 2000.	1/25/2000
Contact: Roy B. Zweidinger	
Rodes, C.E., Lawless, P.A., Evans, G.F., Highsmith, V.R., Sheldon, L.S., Williams, R.W., Vette, A.F., and Creason, J.P. The relationships between personal PM exposures for elderly populations and indoor and outdoor concentrations for three retirement center scenarios. Presented at: PM 2000 AWMA Conference, Charleston, SC, January 24-28, 2000.	1/25/2000
Contact: Roy B. Zweidinger	
Lawless, P.A., Rodes, C.E., Evans, G.F., Sheldon, L.S., and Creason, J.P. Aerosol concentrations during the 1999 Fresno exposure studies as functions of size, season, and meteorology. Presented at: PM 2000 AWMA Conference, Charleston, SC, January 24-28, 2000.	1/25/2000
Contact: Roy B. Zweidinger	
Oliver, K.D., Jacumin, Jr., H.H., Daughtrey, Jr., E.H., and McClenny, W.A. Sample integrity of volatile organic compounds collected and stored on multiabsorbent tubes and analyzed using an auto GC-MS system. Presented at: International Symposium on Measurement of Toxic and Related Air Pollutants, Research Triangle Park, NC, September 12-14, 2000.	9/12/2000
Contact: William A. McClenny	
Chameides, W.L., Solomon, P.A., Kiang, C.S., Mikel, D., Cowling, E., Ericedge, E., Jansen, J., McMurry, P., Meagher, J., Hering, S., and Bahadori, T. An overview of the objectives and design of the '99 Atlanta supersite experiment. Presented at: AGU Fall Meeting, San Francisco, CA, December 15-19, 2000.	12/15/2000
Contact: Paul A. Solomon	
Solomon, P.A., Baumann, K., Edgerton, E., Gundel, L.A., Tanner, R., Eatough, D.J., Maring, H., Savoie, D., and Natarajan, S. Comparison of integrated samplers for mass and composition. Presented at: AGU Fall Meeting, San Francisco, CA, December 15-19, 2000.	12/15/2000
Contact: Paul A. Solomon	
Conner, T.L., Norris, G.A., Landis, M.S., and Williams, R.W. Retirement facility. Presented at: EPA/AWMA International Symposium on the Measurement of Toxic and Related Air Pollutants, Research Triangle Park, NC, September 12-14, 2000.	9/12/2000
Contact: Teri L. Conner	
Eisner, A.D., Drake, Z.E., Heist, D.K., and Mitchell, W.J. Natural convection effect on personal aerosol samples. Presented at: 19th Annual AAAR Conference, St. Louis, MO, November 6-10, 2000.	11/6/2000
Contact: Curtis M. Morris	
Fuerst, R.G., and Hunike, E.T. Environmental technology verification program - advanced monitoring systems outreach. Presented at: EPA/AWMA International Symposium on the Measurement of Toxic and Related Air Pollutants, Research Triangle Park, NC, September 12-14, 2000.	9/12/2000

Contact: Robert G. Fuerst

Jan 1, 2000 - Dec 31, 2000 Weber, R., Orsini, D., Duan, Y., Lee, Y.N., Brechtel, F., Klotz, P., ten Brink, H., Dasgupta, P.K., Hering, S., Edgerton, E., Solomon, P.A., and Bauman, K. Intercomparison of Parameters of the Parameter of the Parame	Presented Published 12/15/2000
measurements of nitrate and sulfate at the EPA Atlanta Supersite, August 1999. Presented at: AGU Fall Meeting, San Francisco, CA, December 15-19, 2000.	
Contact: Paul A. Solomon	
Conner, T.L., Norris, G.A., Williams, R.W., and Landis, M.S. Chemical and physical characteristics of outdoor, indoor, and personal particulate air samples collected in and around a retirement facility. Presented at: EPA/AWMA International Symposium on the Measurement of Toxic and Related Air Pollutants, Research Triangle Park, NC, September 12-14, 2000.	9/12/2000
Contact: Teri L. Conner	
Oliver, K.D., Jacumin, Jr., H.H., Kronmiller, K.G., Daughtrey, Jr., E.H., and McClenny, W.A. Preliminary results of VOC analyses by auto GC/MS at Cornelia Fort Airpark June 15-July 15, 1999. Presented at: SOS Data Analysis Workshop 2000, Research Triangle Park, NC, March 6-10, 2000.	3/6/2000
Contact: William A. McClenny	
Kronmiller, K.G., Wheeler, M.L., Daughtrey, Jr., E.H., and McClenny, W.A. NOx/NOy monitoring using modified/unmodified commercial instrumentation. Presented at: SOS Data Analysis Workshop 2000, Research Triangle Park, NC, March 6-10, 2000.	3/6/2000
Contact: William A. McClenny	
Lonneman, W.A. The speciation and distribution of VOCs in the Nashville urban area. Presented at: SOS Data Analysis Workshop 2000, Research Triangle Park, NC, March 6-10, 2000.	3/6/2000
Contact: William A. McClenny	
McClenny, W.A., Rice, J., and Klotz, P. Ambient monitoring of HCHO at the Polk Bldg. Nashville, TN - SOS '99 study. Presented at: SOS Data Analysis Workshop 2000, Research Triangle Park, NC, March 6-10, 2000.	3/6/2000
Contact: William A. McClenny	
Solomon, P.A., Scheffe, R.D., and Pitchford, M. US EPA's supersites program. Presented at: Real World 2000, Clean Air Conference, Atlanta, GA, May 15-18, 2000.	3/1/2000
Contact: Paul A. Solomon	
Willis, R.D., Mamane, Y., and Conner, T.L. Evaluation of computer-controlled scanning electron microscopy applied to an ambient urban aerosol sample. Presented at: PM 2000 AWMA Conference, Charleston, SC, January 24-28, 2000.	1/25/2000
Contact: Teri L. Conner	
Scheffe, R.D., Jones, M.N., Solomon, P.A., and Pitchford, M. The US EPA's supersites program. Presented at: PM 2000 AWMA Conference, Charleston, SC, January 24-28, 2000.	1/25/2000
Contact: Paul A. Solomon	
Heist, D.K., Eisner, A.D., Mitchell, W.J., and Wiener, R.W. Flow and aerosol transport around a child-size manikin. Presented at: 19th Annual AAAR Conference, St. Louis, MO, November 6-10, 2000.	11/6/2000
Contact: Curtis M. Morris	
Harper, S.L., and Gutknecht, W.F. Sources of variability in sample collection and preparation for surfaces with lead coatings. Presented at: 220th American Chemical Society National Meeting, Washington, DC, August 20-25, 2000.	8/20/2000
Contact: Sharon L. Harper	

Technical Information Manager: Liz Hope (919) 541-2785

Jan 1, 2000 - Dec 31, 2000	Presented	Published
Jensen, P.A., Martin, S., Sapko, M.J., Cashdollar, K.L., Mura, K.E., Smith, L., Fritts, D., Blazicko, B.A., Reichert, J.M., and Pleil, J.D. Comparison of selected lower explosive limit meters used by USAF and commercial jet fuel tank entry personnel. Presented at: American Industrial Hygiene Conference and Exposition, Orlando, FL, May 19-25, 2000.	5/19/2000	
Contact: Joachim D. Pleil		
Fan, V.S., Buckley, T.J., Colon, M., and Pleil, J.D. Breath measurement and models to assess VOC dermal absorption in water. Presented at: American Industrial Hygiene Conference and Exposition, 2000, Orlando, FL, May 19-25, 2000.	5/19/2000	
Contact: Joachim D. Pleil		
Antley, J.T., Giglio, J., and Harper, S.L. A computer-controlled system for generating uniform surface deposits to study the transport of particulate matter. Presented at: PM 2000 AWMA Conference, Charleston, SC, January 24-28, 2000.	1/25/2000	
Contact: Sharon L. Harper		
Pleil, J.D., Colon, M., and Lindstrom, A.B. Enhanced concentration and analysis method for measuring water soluable endogenous compounds in human breath. Presented at: American Chemical Society 221st National Meeting, San Diego, CA, April 1-5, 2001.	4/1/2000	
Contact: Joachim D. Pleil		
Harper, S.L., Antley, J.T., Giglio, J., and Vanderpool, R.W. Use of metal- and fluorescein-tagged materials to study settled particles exposure pathways. Presented at: American Chemical Society 221st National Meeting, San Diego, CA, April 1-5, 2001.	4/1/2000	
Contact: Sharon L. Harper		
Pleil, J.D., and Smith, L. Overview of EPA human exposure measurements projects as applied to JP-8 jet fuel. Presented at: Toxicology of JP-8 Jet Fuel Conference, Tucson, AZ, January 10-12, 2000.	1/10/2000	
Contact: Joachim D. Pleil		
Nishioka, M.G., Barnes, R., Ivancic, W., Sowry, J., and Cohen-Hubal, E.A. A new tracer method for assessing hand-to-mouth transfers of pesticides. Presented at: ISEA Annual Meeting, Monterey Pennisula, CA, October 24-27, 2000.	10/24/2000	
Contact: Elaine A. Cohen-Hubal		
Vallero, D.A. Transport and transformation of a semi-volatile fungicide from soil to the atmosphere: dicarboximide results. Presented at: Region/Office of Research and Development Poster Session, Chicago, IL, October 31-November 1, 2000.	10/31/2000	
Contact: Daniel Vallero		
Vallero, D.A., Stockburger, L., Farnsworth, J.L., and Peirce, J.J. Transport and transformation of a semi-volatile fungicide from soil to the atmosphere: chamber design and fabrication. Presented at: Region/Office of Research and Development Poster Session, Chicago, IL, October 31-November 1, 2000.	10/31/2000	
Contact: Daniel Vallero		
Sheldon, L.S., Rea, A.W., Vette, A.F., Rodes, C.E., Whitaker, D., Jenkins, P., Hui, S., and Freun, S. Factors effecting exposures to VOCs during commuting in California. Presented at: ISEA 2000 Exposure Analysis in the 21st Century: Integrating Science, Policy and Quality of Life, Monterey Peninsula, CA, October 24-27, 2000.	10/24/2000	

Contact: Linda Sheldon

Technical Information Manager: Liz Hope (919) 541-2785

Jan 1, 2000 - Dec 31, 2000	I
----------------------------	---

Hore, P., Freeman, N.C.G., Tulve, N.S., Cohen-Hubal, E.A., Sheldon, L.S., and Lioy, P.J. Assessment of young children's potential pesticide exposure following a residential pesticide application - Part I. study design: exposure of children and toys. Presented at: ISEA 2000 Exposure Analysis in the 21st Century: Integrating Science, Policy and Quality of Life, Monterey Peninsula, CA, October 24-27, 2000.

Presented Published

10/24/2000

Contact: V. Ross Highsmith

Akland, G.G., Raymer, J.H., Hu, Y., Pellizzari, E.D., Whitaker, D., Beach, J.B., Schumacher, B.A., and Cohen-Hubal, E.A. Evaluation of whole body dosimeters for measuring dermal exposures. Presented at: ISEA 2000 Exposure Analysis in the 21st Century: Integrating Science, Policy and Quality of Life, Monterey Peninsula, CA, October 24-27, 2000.

10/24/2000

Contact: Brian A. Schumacher

Cohen-Hubal, E.A., Sheldon, L.S., Akland, G.G., Whitaker, D., and Raymer, J.H. Study to test the feasibility of using the macroactivity approach to assess dermal exposure. Presented at: Society for Risk Analysis 2000 Annual Meeting, Arlington, VA, December 3-6, 2000.

12/3/2000

Contact: Elaine A. Cohen-Hubal

Gordon, S.M., Kenny, D., Callahan, P.J., Brinkman, M.C., Wallace, L.A., and Ashley, D.L. Controlled, short-term dermal and inhalation exposure to chloroform. Presented at: ISEA 2000 Exposure Analysis in the 21st Century: Integrating Science, Policy and Quality of Life, Monterey Peninsula, CA, October 24-27, 2000.

10/24/2000

Contact: Lance A. Wallace

LaRosa, L., Howard-Reed, C., and Wallace, L.A. Continuous black carbon measurements indoors and outdoors at an occupied house for one year. Presented at: ISEA 2000 Exposure Analysis in the 21st Century: Integrating Science, Policy and Quality of Life, Monterey Peninsula, CA, October 24-27, 2000.

10/24/2000

Contact: Lance A. Wallace

Vette, A.F., Peters, T.M., and Sheldon, L.S. Field comparisons of dual SMPS-APS systems to measure indoor-outdoor particle size distributions. Presented at: ISEA 2000 Exposure Analysis in the 21st Century: Integrating Science, Policy and Quality of Life, Monterey Peninsula, CA, October 24-27, 2000.

10/24/2000

Contact: Linda Sheldon

Sheldon, L.S., Rea, A.W., Vette, A.F., Howard-Reed, C., Williams, R.W., Highsmith, V.R., Rodes, C.E., and Lawless, P.A. The contribution of particle resuspension to indoor and personal air concentrations. Presented at: ISEA 2000 Exposure Analysis in the 21st Century: Integrating Science, Policy and Quality of Life, Monterey Peninsula, CA, October 24-27, 2000.

10/24/2000

Contact: V. Ross Highsmith

Tulve, N.S., Hore, P., Cohen-Hubal, E.A., Freeman, N.C.G., Lioy, P.J., and Sheldon, L.S. Assessment of young children's potential pesticide exposure following a residential pesticide application. Part II - use of the macroactivity approach. Presented at: ISEA 2000 Exposure Analysis in the 21st Century: Integrating Science, Policy and Quality of Life, Monterey Peninsula, CA, October 24-27, 2000.

10/24/2000

Contact: V. Ross Highsmith

Leovic, K.W., Ejire, A., Williams, R.W., Highsmith, V.R., and Sheldon, L.S. Improving the scientific community's ability to characterize human exposures in low SES areas: participant recruitment and retention. Presented at: ISEA 2000 Exposure Analysis in the 21st Century: Integrating Science, Policy and Quality of Life, Monterey Peninsula, CA, October 24-27, 2000.

10/24/2000

Contact: Kelly Leovic

Technical Information Manager: Liz Hope (919) 541-2785

	Jan 1, 2	:000 - De	ec 31. 2	000	Presented	Published
--	----------	-----------	----------	-----	-----------	-----------

Wallace, L.A., Howard-Reed, C., and Emmerich, S.J. Multiyear real-time monitoring of particles, PAH, and black carbon in an occupied house. Presented at: ISEA 2000 Exposure Analysis in the 21st Century: Integrating Science, Policy and Quality of Life, Monterey Peninsula, CA, October 24-27, 2000.

10/24/2000

Contact: Lance A. Wallace

Howard-Reed, C., Wallace, L.A., and Emmerich, S.J. Cooking-related particle concentrations measured in an occupied townhome in Reston, VA. Presented at: ISEA 2000 Exposure Analysis in the 21st Century: Integrating Science, Policy and Quality of Life, Monterey Peninsula, CA, October 24-27, 2000.

10/24/2000

Contact: Lance A. Wallace

Zartarian, V., Ozkaynak, H., Xue, J., Glen, W.G., and Furtaw, Jr., E.J. Modeling aggregate chlorpyrifos exposure and dose to children. Presented at: ISEA 2000 Exposure Analysis in the 21st Century: Integrating Science, Policy and Quality of Life, Monterey Peninsula, CA, October 24-27, 2000.

10/24/2000

Contact: Valerie G. Zartarian

Williams, R.W., Highsmith, V.R., Sheldon, L.S., Rea, A.W., Vette, A.F., Suggs, J.C., Leovic, K.W., Howard-Reed, C., Saunders, G., Ejire, A., Rodes, C.E., Thornburg, J., and Lawless, P.A. Preliminary findings from the NERL Research Triangle Park particulate matter panel study. Presented at: ISEA 2000 Exposure Analysis in the 21st Century: Integrating Science, Policy and Quality of Life, Monterey Peninsula, CA, October 24-27, 2000.

10/24/2000

Contact: Ronald W. Williams

Tulve, N.S., Suggs, J.C., Davis, S., Mirick, D.K., McCurdy, T.R., and Moya, J. Frequency of mouthing behavior in young children. Presented at: ISEA 2000 Exposure Analysis in the 21st Century: Integrating Science, Policy and Quality of Life, Monterey Peninsula, CA, October 24-27, 2000.

10/24/2000

Contact: Thomas R. McCurdy

Burke, J.M., Zufall, M.J., Ozkaynak, H., and Zidek, J. The contribution of ambient PM2.5 to total personal exposures: results from a population exposure model for Philadelphia, PA. Presented at: ISEA 2000 Exposure Analysis in the 21st Century: Integrating Science, Policy and Quality of Life, Monterey Peninsula, CA, October 24-27, 2000.

10/24/2000

Contact: A. Haluk Ozkaynak

Leovic, K.W., Ruder, E., Walker, T.H., Roman, H.A., Neumann, J.E., Walker, K.D., Sheldon, L.S., and Keeler, A. Determining the economic value of improved human exposure data. Presented at: ISEA 2000 Exposure Analysis in the 21st Century: Integrating Science, Policy and Quality of Life, Monterey Peninsula, CA, October 24-27, 2000.

10/24/2000

Contact: Kelly Leovic

Thomas, K.W., Sheldon, L.S., Okino, M.S., Sandler, D.P., Dosemeci, M., and Alavanja, M.C.R. Approaches for measuring applicator exposure in the agricultural health study/pesticide exposure study. Presented at: ISEA 2000 Exposure Analysis in the 21st Century: Integrating Science, Policy and Quality of Life, Monterey Peninsula, CA, October 24-27, 2000.

10/24/2000

Contact: Kent W. Thomas

Vallero, D.A. Transformation and transport of semi-volatile organic compounds from soil: measuring dicarboximides in a chamber. Presented at: American Institute of Hydrology International Conference 2000, Research Triangle Park, NC, November 5-8, 2000.

11/5/2000

Contact: Daniel Vallero

Technical Information Manager: Liz Hope (919) 541-2785

Jan 1, 2000 - Dec 31, 2000 Stout, II, D.M., Morgan, M.K., and Wilson, N.K. A feasibility study examining the potential for human exposure to pet-borne diazinon residues following residential turf applications. Presented at: American Chemical Society National Meeting, Washington, DC, August 20-24, 2000.	Presented 8/20/2000	Publis
Contact: Dan Stout		
Thomas, K.W., Sheldon, L.S., Steen, W.C., Alavanja, M.C.R., Blair, A., Dosemeci, M., and Sandler, D.P. Agricultural health study/pesticide exposure study design. Presented at: American Chemical Society National Meeting, Washington, DC, August 20-24, 2000.	8/20/2000	
Contact: Kent W. Thomas		
Williams, R.W., Suggs, J.C., Sheldon, L.S., Evans, G.F., Creason, J.P., Rodes, C.E., and Lawless, P.A. Relationships of gaseous concentrations of criteria air pollutants and PM 2.5 measures. Presented at: EPA/AWMA International Symposium on the Measurement of Toxic and Related Air Pollutants, Research Triangle Park, NC, September 12-14, 2000.	9/12/2000	
Contact: Ronald W. Williams		
Ozkaynak, H. Exposure analysis methods used in environmental risk assessment. Presented at: Israel/EPA Comparative Risk Meeting, Tel Aviv, Israel, March 27, 2000.	3/27/2000	

Contact: A. Haluk Ozkaynak

Howard-Reed, C., Wallace, L.A., and Emmerich, S.J. Determination of particle deposition rates for cooking and other indoor source. Presented at: 19th Annual AAAR Conference, St. Louis, MO, November 6-10, 2000.

Contact: Lance A. Wallace

Sheldon, L.S., Williams, R.W., Highsmith, V.R., Rodes, C.E., Creason, J.P., and Walsh, D.B. An overview of EPA's human exposure panel studies. Presented at: PM 2000 AWMA Conference, Charleston, SC, January 24-28, 2000.

Contact: Linda Sheldon

Howard-Reed, C., Zufall, M.J., Burke, J.M., Williams, R.W., Suggs, J.C., Walsh, D.B., Kwok, R.K., and Sheldon, L.S. Use of continuous nephelometer to measure personal exposure to particulate matter during the 1998 U.S. EPA Baltimore panel study. Presented at: PM2000 AWMA Conference, Charleston, SC, January 25-28, 2000.

Ronald W. Williams

LaRosa, L., Buckley, T.J., Howard-Reed, C., and Wallace, L.A. Assessment of indoor, outdoor, and personal PM differences. Presented at: PM 2000 AWMA Conference, Charleston, SC, January 24-28, 1999.

Contact: Lance A. Wallace

Rodes, C.E., Thornburg, J., Ensor, D., Lawless, P.A., and Wallace, L.A. A predictive model relating personal PM exposures with fixed location outdoor and microenvironmental indoor concentrations. Presented at: PM 2000 AWMA Conference, Charleston, SC, January 24-28, 2000.

Contact: Linda Sheldon

Vallero, D.A., Stockburger, L., Farnsworth, J.L., and Peirce, J.J. Analysis of the flux of an endocrine disrupting dicarboximide and its degradation products from the soil to the lower troposphere. Presented at: 219th American Chemical Society National Meeting, San Francisco, CA, March 26-31, 2000.

Contact: Daniel Vallero

1/25/2000

11/6/2000

1/25/2000

1/25/2000

Presented Published

1/25/2000

3/26/2000

Technical Information Manager: Liz Hope (919) 541-2785

Jan 1, 2000 - Dec 31, 2000	Presented Published
Al-Raheem, M., El-Desouky, M., Mage, D.T., Kollander, M., Wallace, L.A., and Spengler, J.D. Personal exposures to PM and gaseous air pollutants at the end of 1991 Kuwait oil fires. Presented at: PM 2000 AWMA Conference, Charleston, SC, January 24-28, 2000.	1/25/2000
Contact: Lance A. Wallace	
Buckley, T.J., and Wallace, L.A. Evaluation of air purification devices for control of indoor PM. Presented at: PM 2000 AWMA Conference, Charleston, SC, January 24-28, 2000.	1/25/2000
Contact: Lance A. Wallace	
Ott, W.R., Wallace, L.A., and Mage, D.T. Predicting particulate (PM-10) frequency distributions for urban populations using a random component superposition model (RCS) model. Presented at: PM 2000 AWMA Conference, Charleston, SC, January 24-28, 2000.	1/25/2000
Contact: Lance A. Wallace	
Burke, J.M., Zufall, M.J., Ozkaynak, H., Xue, J., and Zidek, J. Predicting population exposures to PM: the importance of microenvironmental concentrations and human activities. Presented at: PM 2000 AWMA Conference, Charleston, SC, January 24-28, 2000.	1/25/2000
Contact: Janet Burke	
Williams, R.W., Suggs, J.C., Zweidinger, R.B., Evans, G.F., Creason, J.P., Kwok, R.K., Rodes, C.E., Lawless, P.A., and Sheldon, L.S. Comparison of filter-based and continuous particulate matter methodologies from residential and ambient monitoring. Presented at: PM 2000 AWMA Conference, Charleston, SC, January 24-28, 2000.	1/25/2000
Contact: Ronald W. Williams	
Vallero, D.A., Farnsworth, J.L., and Peirce, J.J. Supercritical fluid extraction of semi-volatile organic compounds from particles. Presented at: PM 2000 AWMA Conference, Charleston, SC, January 24-28, 2000.	1/25/2000
Contact: Daniel Vallero	
Sheldon, L.S., Williams, R.W., Zweidinger, R.B., Evans, G.F., Highsmith, V.R., Suggs, J.C., Rodes, C.E., and Creason, J.P. Lessons learned from four exposure panel studies: the U.S. EPA's particulate matter studies involving elderly cohorts. Presented at: PM 2000 AWMA Conference, Charleston, SC, January 24-28, 2000.	1/25/2000
Contact: Linda Sheldon	
Vette, A.F., Rea, A.W., Lawless, P.A., Rodes, C.E., Evans, G.F., Highsmith, V.R., Creason, J.P., and Sheldon, L.S. Indoor/outdoor aerosol concentration ratios during the 1999 Fresno particulate matter exposure studies as a function of size, season, and time of day. Presented at: PM 2000 AWMA Conference, Charleston, SC, January 24-28, 2000.	1/25/2000
Contact: Linda Sheldon	
Suggs, J.C., Williams, R.W., and Creason, J.P. Power analysis of linear relationships between personal exposure and indoor/outdoor PM 2.5 concentrations at Baltimore and Fresno. Presented at: PM 2000 AWMA Conference, Charleston, SC, January 24-28, 2000.	1/25/2000
Contact: Ronald W. Williams	
Blair, A., Sandler, D., Tarone, R., Lubin, J.H., Thomas, K.W., Lynch, C., Zahm, S.H., Rothman, N., and Alavanja, M. Mortality among farmers and spouses in the agricultural health study. Presented at: American College of Epidemiology Annual Meeting, Albuquerque, NM, September 22-24, 2002.	9/22/2000

Contact: Kent W. Thomas

Technical Information Manager: Liz Hope (919) 541-2785

Jan 1, 2000 - Dec 31, 2000 McCurdy, T.R., and Burke, J.M. Comparison of exercise participation rates for children in the literature with those in EPA's consolidated human activity database (CHAD). Presented at: ISEA Conference, Monterey Peninsula, CA, October 24-27, 2000.	Presented Published 10/24/2000
Contact: Thomas R. McCurdy	
Morgan, M.K., Stout, II, D.M., and Wilson, N.K. A feasibility study examining the potential for human health exposure to pet-borne diazinon residues following residential turf applications. Presented at: ISEA 2000 Exposure Analysis in the 21st Century: Integrating Science, Policy and Quality of Life, Monterey Peninsula, CA, October 24-27, 2000.	10/24/2000
Contact: Marsha K. Morgan	
Rea, A.W., Zufall, M.J., Williams, R.W., Howard-Reed, C., and Sheldon, L.S. The influence of human activity patterns on personal PM exposure: a comparative analysis of filter-based and continuous particle measurements. Presented at: ISEA 2000 Exposure Analysis in the 21st Century: Integrating Science, Policy and Quality of Life, Monterey Peninsula, CA, October 24-27, 2000.	10/24/2000
Contact: Ronald W. Williams	
LaRosa, L., Buckley, T.J., Howard-Reed, C., and Wallace, L.A. Assessment of outdoor, indoor, and personal PM concentration differences by continuous monitoring. Presented at: Air and Waste Management Association Meeting, Charleston, SC, January 25-28, 2000.	1/25/2000
Contact: Lance A. Wallace	
Cohen-Hubal, E.A., Sheldon, L.S., and Suggs, J.C. Study to identify important parameters for characterizing pesticide residue transfer efficiencies. Presented at: ISEA 2000 Exposure Analysis in the 21st Century: Integrating Science, Policy and Quality of Life, Monterey Peninsula, CA, October 24-27, 2000.	10/24/2000
Contact: Elaine A. Cohen-Hubal	
Zufall, M.J., Burke, J.M., Williams, R.W., Suggs, J.C., Kwok, R.K., Walsh, D.B., Creason, J.P., and Sheldon, L.S. Effects of human activity patterns on personal PM 2.5 concentrations of residents in a retirement facility. Presented at: PM 2000 AWMA Conference, Charleston, SC, January 24-28, 2000.	1/25/2000
Contact: Ronald W. Williams	
Wallace, L.A., Howard-Reed, C., LaRosa, L., and Emmerich, S.J. Monitoring particles, soot, and PAHs in a home. Presented at: PM 2000 AWMA Conference, Charleston, SC, January 24-28, 2000.	1/25/2000
Contact: Lance A. Wallace	
Van Emon, J.M. Environmental immunochemistry at the U.S. EPA, National Exposure Research Laboratory's Human Exposure Branch. Presented at: UN/International Atomic Energy Agency Meeting, Vienna, Austria, September 25-28, 2000.	9/25/2000
Contact: Jeanette M. Van Emon	
Rigas, M.L., Roth, W.L., and Jarabek, A.M. Proposed models for estimating relevant dose resulting from exposures by the gastrointestinal route. Presented at: Society for Risk Analysis 2000 Annual Meeting, Arlington, VA, December 3-6, 2000.	12/3/2000
Contact: Marc L. Rigas	
Van Emon, J.M., and Reed, A.W. Immunoassay analysis for chlorpyrifos in foods. Presented at: 37th Annual Pesticide Residue Workshop and Florida Foodborne Pathogen Analysis Conference, St. Petersburg Booch, El., July 16, 21, 2000	7/16/2000

Contact: Jeanette M. Van Emon

St. Petersburg Beach, FL, July 16-21, 2000.

Technical Information Manager: Liz Hope (919) 541-2785

I 1	2000	$D_{\alpha\alpha}$ 21	2000
Jan I.	ZUUU -	Dec 31.	LUUU

Presented Published

Rigas, M.L., and Cohen-Hubal, E.A. Use of a convection-diffusion model to understand gastrointestinal absorption of environmentally-relevant chemicals. Presented at: Society for Risk Analysis 2000 Annual Meeting, Arlington, VA, December 3-6, 2000.

12/3/2000

Contact: Marc L. Rigas

Van Emon, J.M., Reed, A.W., and Chuang, J.C. Immunoassay human exposure studies. Presented at: American Chemical Society, Pacifichem 2000, Honolulu, HI, December 14-19, 2000.

12/14/2000

Contact: Jeanette M. Van Emon

Pearson, R., and Rogers, K.R. Electrochemical technique for detection of TNT using disposable screen-printed electrodes. Presented at: 220th ACS National Meeting, Washington, DC, August 20-24, 2000.

8/20/2000

Contact: Kim R. Rogers

Rogers, K.R., and Mishra, N.N. Highly sensitive assay for anticholinesterase compounds using 96 well plate format. Presented at: 220th ACS National Meeting, Washington, DC, August 20-24, 2000.

8/20/2000

Contact: Kim R. Rogers

Blancato, J.N., Knaak, J.B., Power, F.W., and Dary, C.C. Use of PBPK models for assessing absorbed dose and ChE inhibition from aggregate exposure of infants and children to organophosphorus insecticides. Presented at: ISEA 2000 Exposure Analysis in the 21st Century: Integrating Science, Policy and Quality of Life, Monterey Peninsula, CA, October 24-27, 2000.

10/24/2000

Contact: Jerry Blancato

Hern, S.C., Robertson, G.L., Hart, R., Schumacher, B.A., and Paz, E. Pesticides in dust samples from homes and schools in Yuma, Arizona. Presented at: International Society of Exposure Analysis, Monterey Pennisula, CA, October 24-27, 2000.

10/24/2000

Contact: Stephen C. Hern

Furtaw, Jr., E.J., Okino, M.S., Quackenboss, J.J., Roy, A., and Lioy, P.J. Modeling of chlorpyrifos exposure, dose, and biomarker using NHEXAS Minnesota Children's data. Presented at: ISEA 2000 Exposure Analysis in the 21st Century: Integrating Science, Policy and Quality of Life, Monterey Peninsula, CA, October 24-27, 2000.

10/24/2000

Contact: Edwin J. Furtaw

Gordon, S.M., Brinkman, M.C., Callahan, P.J., Lebowitz, M.D., O'Rourke, M.K., Rogan, S.R., Ashley, D.L., Needham, L., Pirkle, J.L., Moschandreas, D.J., and Robertson, G.L. Fixed-site air and biomarker measurements of VOCs in a non-occupationally exposed population along the Arizona-Mexico border. Presented at: ISEA 2000 Exposure Analysis in the 21st Century: Integrating Science, Policy and Quality of Life, Monterey Peninsula, CA, October 24-27, 2000.

10/24/2000

Contact: Gary L. Robertson

Chuang, J.C., Chang, J.S., Bowman, L.E., Van Emon, J.M., and Reed, A.W. Evaluation of analytical methods for determining pesticides in foods. Presented at: ISEA 2000 Exposure Analysis in the 21st Century: Integrating Science, Policy and Quality of Life, Monterey Peninsula, CA, October 24-27, 2000.

10/24/2000

Contact: Jeanette M. Van Emon

Technical Information Manager: Liz Hope (919) 541-2785

Jan 1, 2000 - Dec 31, 2000 Robertson, G.L., Petty, J., Huckins, J., O'Rourke, M.K., Rogan, S.R., and Lebowitz, M.D. Application of semipermeable membrane devices to indoor air sampling. Presented at: ISEA 2000 Exposure Analysis in the 21st Century: Integrating Science, Policy and Quality of Life, Monterey Peninsula, CA, October 24-27, 2000.	Presented Published 10/24/2000
Contact: Gary L. Robertson	
Rigas, M.L., and Hassenzahl, D.M. The use of computer modeling packages to illustrate uncertainty in risk assessments: an ease of use and interpretation comparison. Presented at: ISEA 2000 Exposure Analysis in the 21st Century: Integrating Science, Policy and Quality of Life, Monterey Peninsula, CA, October 24-27, 2000.	10/24/2000
Contact: Marc L. Rigas	
Moschandreas, D.J., Karuchit, S., Kim, Y., Ari, H., Lebowitz, M.D., O'Rourke, M.K., Gordon, S.M., and Robertson, G.L. Regression models of residential exposure to chlorpyrifos and diazinon. Presented at: ISEA 2000 Exposure Analysis in the 21st Century: Integrating Science, Policy and Quality of Life, Monterey Peninsula, CA, October 24-27, 2000.	10/24/2000
Contact: Gary L. Robertson	
Nishioka, M.G., Brinkman, M.C., Gordon, S.M., O'Rourke, M.K., Lebowitz, M.D., Rogan, S.R., Moschandreas, D.J., and Robertson, G.L. Comparisons of pesticide levels and exposures in NHEXAS Arizona and Arizona-Mexico border populations. Presented at: ISEA 2000 Exposure Analysis in the 21st Century: Integrating Science, Policy and Quality of Life, Monterey Peninsula, CA, October 24-27, 2000.	10/24/2000
Contact: Gary L. Robertson	
Moschandreas, D.J., Ari, H., Karuchit, S., Kim, Y., Lebowitz, M.D., O'Rourke, M.K., Gordon, S.M., and Robertson, G.L. Exposure to pesticides by medium and route: the 90th percentile and related uncertainties. Presented at: ISEA 2000 Exposure Analysis in the 21st Century: Integrating Science, Policy and Quality of Life, Monterey Peninsula, CA, October 24-27, 2000.	10/24/2000
Contact: Gary L. Robertson	
Rogers, K.R., and Pearson, R. Electrochemical technique for TNT using disposable screen-printed electrode. Presented at: 8th International Meeting on Chemical Sensors, Basel, Switzerland, July 2-5, 2000.	7/2/2000
Contact: Kim R. Rogers	
Rogers, K.R., Apostol, A.B., Madsen, O.S., and Spencer, C.W. Detection of low dose radiation-and chemically-induced DNA damage using temperature differential fluorescence assays. Presented at: 8th International Meeting on Chemical Sensors, Basel, Switzerland, July	7/2/2000
Contact: Kim R. Rogers	
Rogers, K.R., Becker, J.Y., and Cembrano, J. Tyrosinase-based carbon paste electrode biosensor for detection of phenols: binder and pre-oxidation effects. Presented at: 8th International Meeting on Chemical Sensors, Basel, Switzerland, July 2-5, 2000.	7/2/2000
Contact: Kim R. Rogers	
Coakley, W.A., Butler, L.C., Dandge, V.D., Caldwell, J.R., and Desican, V.D. WinCADRE (computer-aided data review and evaluation). Presented at: PITTCON 2000 Science for the 21st Century, New Orleans, LA, March 11-18, 2000.	3/11/2000
Contact: Larry C. Butler	
Rogers, K.R., Apostol, A.B., Madsen, S.J., and Spencer, C.W. Detection of DNA damage using a fiberoptic biosensor. Presented at: ACS National Meeting, San Francisco, CA, March 26-30, 2000.	3/26/2000

Contact: Kim R. Rogers

Technical Information Manager: Liz Hope (919) 541-2785

Jan 1, 2000 - Dec 31, 2000 Rogers, K.R., and Pearson, R. Electrochemical technique for TNT using disposable screen-printed electrode. Presented at: Eight International On-Site Analysis Conference, Las Vegas, NV, January 23-26, 2000.	Presented Published 1/23/2000
Contact: Kim R. Rogers	
Cullen, S.J., Van Emon, J.M., Robbins, K., and Reed, A.W. Immunoassays for food analysis. Presented at: Immunochemistry Summit VIII Meeting, San Francisco, CA, March 26-31, 2000.	3/26/2000
Contact: Jeanette M. Van Emon	
Van Emon, J.M., Reed, A.W., Chuang, J.C., Montoya, A., and Manclus, J.J. Determination of 3,5,6-Trichloro-2-pyridinol (TCP) by ELISA. Presented at: Immunochemistry Summit VIII Meeting, San Francisco, CA, March 26-31, 2000.	3/26/2000
Contact: Jeanette M. Van Emon	
Chuang, J.C., Hart, K., Chang, J.S., Reed, A.W., and Van Emon, J.M. Evaluation of analytical methods for determining pesticides in baby food and adult duplicate-diet samples. Presented at: Immunochemistry Summit VIII Meeting, San Francisco, CA, March 26-31, 2000.	3/26/2000
Contact: Jeanette M. Van Emon	
Blancato, J.N., Power, F.W., and Fisher, J.W. Application and use of dose estimating exposure model (DEEM) for dose comparisons after exposure to trichloroethylene (TCE). Presented at: Annual Meeting of Society of Toxicology, Philadelphia, PA, March 19-23, 2000.	3/19/2000
Contact: Jerry Blancato	
Tsang, A.M., Brown, R.N., Power, F.W., Blancato, J.N., and Scott, C.S. Uncertainty analysis of TCE using the dose exposure estimating model (DEEM) in ACSL. Presented at: Annual Meeting of Society of Toxicology, Philadelphia, PA, March 19-23, 2000.	3/19/2000
Contact: Robert N. Brown	
Dary, C.C., Mohammed, Z., and Saleh, M.A. Chemomorphic analysis of malathion in skin layers: implications for the use of dermatopharmacokinetic (DPK) tape stripping in exposure assessment to pesticides. Presented at: Annual Meeting of Society of Toxicology, Philadelphia, PA, March 19-23, 2000.	3/19/2000
Contact: Curtis C. Dary	
Power, F.W., Blancato, J.N., Ruiz, A., Licitra, J., Ventresca, J.J., and Brown, R.N. An advanced PBPK model input system and data repository for complex models with export for the ACSL model engine. Presented at: Annual Meeting of Society of Toxicology, Philadelphia, PA, March 19-23, 2000.	3/19/2000
Contact: Jerry Blancato	
Knaak, J.B., Dary, C.C., Patterson, G.T., and Blancato, J.N. Use of PBPK/PD models and foliar transfer coefficients in assessing reentry into pesticide treated citrus and turf. Presented at: Annual Meeting of Society of Toxicology, Philadelphia, PA, March 19-23, 2000.	3/19/2000
Contact: Curtis C. Dary	
Moschandreas, D.J., Kim, Y., Karuchit, S., Ari, H., Lebowitz, M.D., O'Rourke, M.K., Gordon, S.M., and Robertson, G.L. Characterization of residential exposure to chlorpyrifos and diazinon. Presented at: ISEA 2000 Exposure Analysis in the 21st Century: Integrating Science, Policy and Quality of Life, Monterey Peninsula, CA, October 24-27, 2000.	10/24/2000
Contact: Gary L. Robertson	

Technical Information Manager: Liz Hope (919) 541-2785

Jan 1, 2000 - Dec 31, 2000

Presented Published

Blancato, J.N. Exposure to dose models: their uses in helping access relevant dose in children. Presented at: Children's Health Symposium of the Office of Environmental Health Hazard Assessment of the State of California, Oakland, CA, May 1-2, 2000.

5/1/2000

Contact: Jerry Blancato

O'Rourke, M.K., Lebowitz, M.D., Gordon, S.M., Nishioka, M.G., Moschandreas, D.J., and Robertson, G.L. Demographic characteristics of the NHEXAS-Arizona border study population. Presented at: ISEA 2000 Exposure Analysis in the 21st Century: Integrating Science, Policy and Quality of Life, Monterey Peninsula, CA, October 24-27, 2000.

10/24/2000

Contact: Gary L. Robertson

Van Emon, J.M. Immunochemistry at the U.S. EPA, National Exposure Research Laboratory's Human Exposure Research Branch. Presented at: EnvironAnalysis 2000, Ontario, Canada, May 9-11, 2000.

5/9/2000

Contact: Jeanette M. Van Emon

Lewtas, J., Binkova, B, Myers, S.R., Lenieek, J., Subrt, P., and Sram, R.J. Biomakers of exposure and metabolic susceptibility to fine particle air pollution. Presented at: ISEA Conference, Monterey, CA, October 24-27, 2000.

10/24/2000

Contact: Joellen Jungers (Lewtas)

Cupitt, L.T. Implications of the US Clean Air Act on the future of urban air quality: linking urban air, indoor environments and human exposure. Presented at: Urban Air, Indoor Environment and Human Exposure: Future Needs for Policy-Science Interface, Thessaloniki, Greece, April 16-18, 2000.

4/16/2000

Contact: Larry T. Cupitt

Lewtas, J., Williams, R.W., and Wise, S. Personal exposure to fine particle polycyclic aromatic hydrocarbons: outdoor source tracers. Presented at: PM 2000 AWMA Conference, Charleston, SC, January 24-28, 2000.

1/25/2000

Contact: Joellen Jungers (Lewtas)

Lewtas, J., Booth, D., Reimer, S., Pang, Y., Eatough, D.J., and Gundel, L. Comparison of sampling methods for semi-volatile organic carbon (SVOC) associated with PM 2.5. Presented at: PM 2000 AWMA Conference, Charleston, SC, January 24-28, 1999.

1/25/2000

Contact: Joellen Jungers (Lewtas)

BOOK CHAPTR

Van Emon, J.M., Bowman, K.-L., and Gerlach, C.L. "Analytical challenges of environmental endocrine disruptor monitoring." In: Analysis of Environmental Endocrine Disruptors, Chapter 3 Cary, NC: Oxford University Press 2000, 23-32.

1/1/2000

Contact: Jeanette M. Van Emon

JOURNAL.

McCurdy, T.R., Glenn, G., Smith, L., and Lakkadi, Y. The National Exposure Research Laboratory's consolidated human activity database. International Journal of Exposure Analysis and Environmental Epidemiology 10 (6):566-578 (2000). EPA/600/J-01/041.

12/31/2000

Contact: Thomas R. McCurdy

Technical Information Manager: Liz Hope (919) 541-2785

Jan 1, 2000 - Dec 31, 2000	Presented Published
Edney, E.O., Driscoll, D.J., Speer, R.E., Weathers, W.S., Kleindienst, T.E., Li, W., and Smith, D.F. Impact of aerosol liquid water on secondary organic aerosol yields of irradiated toluene/propylene/NOx/(NH4)2SO4/air mixutres. Atmospheric Environment 34 (23):3907-3919 (2000). EPA/600/J-01/040.	8/1/2000
Contact: Robert L. Seila	
Mar, T.F., Norris, G.A., Koenig, J.Q., and Larson, T.V. Associations between air pollution and mortality in Phoenix, 1995-1997. Environmental Health Perspectives 108 (4):347-353 (2000). EPA/600/J-02/121.	4/1/2000
Contact: Roy B. Zweidinger	
Geron, C.D., Guenther, A., Sharkey, T.D., and Arnts, R.R. Temporal variability in the basal isoprene emission factor. Tree Physiology 20 (12):799-805 (2000). EPA/600/J-00/186.	6/1/2000
Contact: Robert R. Arnts	
Gabele, P.A., and Pyle, S.M. Emissions from two outboard engines operating on reformulated gasoline containing MTBE. Environmental Science & Technology 34 (3):368-372 (2000). EPA/600/J-02/222.	2/1/2000
Contact: Peter A. Gabele	
Solomon, P.A., Cowling, E., Hidy, G., and Furiness, C. Comparison of scientific findings from major ozone field studies in North America and Europe. Atmospheric Environment 34 (12-14):1885-1920 (2000). EPA/600/J-01/069.	3/1/2000
Contact: Paul A. Solomon	
Seigneur, C., Pun, B., Pai, P., Louis, J., Solomon, P.A., Emery, C., Morris, R., Zahniser, M.S., Worsnop, D.R., Koutrakis, P., White, W., and Tombach, I. Guidance for the performance evaluation of three-dimensional air quality modeling systems for particulate matter and visibility. Journal of the Air & Waste Management Association 50 (4):588-599 (2000). EPA/600/J-01/070.	4/1/2000
Contact: Paul A. Solomon	
Pleil, J.D., Smith, L.B., and Zelnick, S.D. Personal exposure to JP-8 jet fuel vapors and exhaust at air force bases. Environmental Health Perspectives 108 (3):183-192 (2000). EPA/600/J-00/046.	3/1/2000
Contact: Joachim D. Pleil	
Troester, M.A., Lindstrom, A.B., Kupper, L.L., Waidyanatha, S., and Rappaport, S.M. Stability of hemoglobin and albumin adducts of benzene oxide and 1,4-benzoquinone after administration of benzene to F344 rats. Toxicological Sciences 54 (1):88-94 (2000). EPA/600/J-00/101.	3/1/2000
Contact: Andrew B. Lindstrom	
Childers, J.W., Witherspoon, C.L., Smith, L.B., and Pleil, J.D. Real-time and integrated measurement of potential human exposure to particle-bound polycyclic aromatic hydrocarbons (PAHs) from aircraft exhaust. Environmental Health Perspectives 108 (9):853-862 (2000). EPA/600/J-01/061.	9/1/2000
Contact: Joachim D. Pleil	
Antley, J.T., Vanderpool, R.W., and Harper, S.L. An automated system for producing uniform surface deposits of dry particles. American Industrial Hygiene Association Journal 61 (5):669-677 (2000). EPA/600/J-01/063.	10/1/2000
Constructs Observed Harmon	

Contact: Sharon L. Harper

Technical Information Manager: Liz Hope (919) 541-2785

Jan 1, 2000 - Dec 31, 2000 Williams, R.W., Suggs, J.C., Rodes, C.E., Lawless, P.A., Zweidinger, R.B., Kwok, R.K., Creason, J.P., and Sheldon, L.S. Comparison of PM 2.5 and PM 10 monitors. Journal of Exposure Analysis and Environmental Epidemiology 10 (5):497-505 (2000). EPA/600/J-01/039.	Presented Published 12/31/2000
Contact: Ronald W. Williams	
Williams, R.W., Suggs, J.C., Creason, J.P., Rodes, C.E., Lawless, P.A., Kwok, R.K., Zweidinger, R.B., and Sheldon, L.S. The 1998 Baltimore particulate matter epidemiology-exposure study: Part 2-personal exposure assessment associated with an elderly study population. Journal of Exposure Analysis and Environmental Epidemiology 10 (6):533-543 (2000). EPA/600/J-01/043.	12/31/2000
Contact: Ronald W. Williams	
Williams, R.W., Suggs, J.C., Zweidinger, R.B., Evans, G.F., Creason, J.P., Kwok, R.K., Rodes, C.E., Lawless, P.A., and Sheldon, L.S. The 1998 Baltimore particulate matter epidemiology-exposure study: Part 1 - comparison of ambient, residential outdoor, indoor and apartment particulate matter monitoring. Journal of Exposure Analysis and Environmental Epidemiology 10 (6):518-532 (2000). EPA/600/J-01/042.	12/31/2000
Contact: Ronald W. Williams	
Howard-Reed, C., Rea, A.W., Zufall, M.J., Burke, J.M., Williams, R.W., Suggs, J.C., Sheldon, L.S., Walsh, D.B., and Kwok, R.K. Use of a continuous nephelometer to measure personal exposure to particles during the U.S. EPA Baltimore and Fresno panel studies. Journal of the Air & Waste Management Association 50:1125-1132 (2000). EPA/600/J-02/491.	7/1/2000
Contact: Ronald W. Williams	
Cohen-Hubal, E.A., Sheldon, L.S., Zufall, M.J., Burke, J.M., and Thomas, K.W. The challenge of assessing children's exposure to pesticides. Journal of Exposure Analysis and Environmental Epidemiology 10 (S6):638-649 (2000). EPA/600/J-01/058.	1/1/2000
Contact: Elaine A. Cohen-Hubal	
Williams, R.W., Creason, J.P., Zweidinger, R.B., Watts, R.R., Sheldon, L.S., and Shy, C.M. Indoor, outdoor, and personal exposure monitoring of particulate air pollution: the Baltimore elderly epidemiology-exposure pilot study. Atmospheric Environment 34 (24):4193-4204 (2000). EPA/600/J-01/038.	8/1/2000
Contact: Ronald W. Williams	
Sun, L., Zidek, J., Le, N.D., and Ozkaynak, H. Interpolating Vancouver's daily ambient PM 10 field. Environmetrics 11 (6):651-663 (2000). EPA/600/J-01/263.	11/1/2000
Contact: A. Haluk Ozkaynak	
Cohen-Hubal, E.A., Zartarian, V., Sheldon, L.S., McCurdy, T.R., Rigas, M.L., Berry, Jr., M.R., Burke, J.M., and Freeman, N.C.G. Children's exposure assessment: a review of factors influencing children's exposure and the data available to characterize and assess that exposure. Environmental Health Perspectives 108 (6):475-486 (2000). EPA/600/J-01/057.	6/1/2000
Contact: Elaine A. Cohen-Hubal	
McCurdy, T.R. Conceptual basis for multi-route intake dose modeling using an energy expenditure approach. Journal of Exposure Analysis and Environmental Epidemiology 10 (1):86-97 (2000). EPA/600/J-01/036.	1/1/2000
Contact: Thomas R. McCurdy	
Wallace, L.A. Correlations of personal exposure to particles with outdoor air measurement: a review of recent studies. Aerosol Science and Technology 32 (1):15-25 (2000).	1/1/2000

Contact: Lance A. Wallace

EPA/600/J-00/262.

Technical Information Manager: Liz Hope (919) 541-2785

Jan 1, 2000 - Dec 31, 2000

Presented Published

6/1/2000

Zartarian, V., Ozkaynak, H., Burke, J.M., Zufall, M.J., Rigas, M.L., and Furtaw, Jr., E.J. A modeling framework for estimating children's residential exposure and dose to chlorpyrifos via dermal residue contact and non-dietary ingestion. Environmental Health Perspectives 108 (6):505-514 (2000). EPA/600/J-01/112.

Contact: Valerie G. Zartarian

Rogers, K.R. Principles of affinity-based biosensors. Molecular Biotechnology 14 (2):109-129 (2000). EPA/600/J-00/147.

6/13/2000

Contact: Kim R. Rogers

Lebowitz, M.D., O'Rourke, M.K., Rogan, S., Reses, J., Van de Water, P., Blackwell, A., Moschandreas, D.J., Gordon, S.M., and Robertson, G.L. Indoor and outdoor PM10 and associated metals and pesticides in Arizona. Inhalation Toxicology 12 (Sup 1):139-144 (2000). EPA/600/J-00/142, Available: CR821560-01.

6/10/2000

Contact: Gary L. Robertson

Rogers, K.R., Becker, J.Y., and Cembrano, J. Improved selective electrocatalytic oxidation of phenols by tyrosinase-based carbon paste electrode biosensor. Electrochimica Acta 45 (25-26):4373-4379 (2000). EPA/600/J-00/314.

11/16/2000

Contact: Kim R. Rogers

Rogers, K.R., Apostol, A.B., and Brumley, W.C. Capillary electrophoresis immunoassay for 2,4-dichlorophenoxyacetic acid. Analytical Letters 33 (3):443-453 (2000). EPA/600/J-00/266.

1/31/2000

Contact: Kim R. Rogers

Quackenboss, J.J., Pellizzari, E.D., Shubat, P., Whitmore, R., Adgate, J.L., Thomas, K.W., Freeman, N.C.G., Stroebel, C., Lioy, P.J., Clayton, C.A., and Sexton, K.G. Design strategy for assessing multi-pathway exposure for children: the Minnesota children's pesticide exposure study (MNCPES). Journal of Exposure Analysis and Environmental Epidemiology 10 (2):145-158 (2000). EPA/600/J-00/143, Available: Cooperative Agreement CR821902 and Grant No. R825283.

3/1/2000

Contact: James J. Quackenboss

Rigas, M.L., Catlin, S.N., Ben-Jebria, A., and Ultman, J.S. Ozone uptake in the intact human respiratory tract - relationship between inhaled and actual dose. Journal of Applied Physiology 88 (6):2015-2022 (2000). EPA/600/J-00/265.

6/1/2000

Contact: Marc L. Rigas

Adgate, J.L., Clayton, C.A., Quackenboss, J.J., Thomas, K.W., Whitmore, R.W., Pellizzari, E.D., Lioy, P.J., Shubat, P., Stroebel, C., Freeman, N.C.G., and Sexton, K.G. Measurement of multi-pollutant and multi-pathway exposures in a probability-based sample of children: practical strategies for effective field studies. Journal of Exposure Analysis and Environmental Epidemiology 10 (S6):650-661 (2000). EPA/600/J-01/231.

12/31/2000

Contact: James J. Quackenboss

PUB REPORT

Peters, T., Antley, J.T., Vanderpool, R.W., Natarajan, S., Norris, G.A., McElroy, F.F., Solomon, P.A., Gemmill, D.B., Tolocka, M.P., and Wiener, R.W. Effectiveness of the PM 2.5 federal reference method to differentiate fine and coarse mode aerosol (a response to Section 6102(e) of the Transportation Equity Act for the 21st Century. 2000. EPA/600/R-00/033 (NTIS PB2001-101909).

11/28/2000

Contact: Russell W. Wiener

Technical Information Manager: Liz Hope (919) 541-2785

Jan 1, 2000 - Dec 31, 2000

Presented Published

4/19/2000

Antley, J.T., and Giglio, J. Development and use of rare earth tracers in the modified dry particle deposition system (formerly "DUST" chamber). 2000. EPA/600/R-00/005 (NTIS PB2001-100351).

Contact: Sharon L. Harper

RESEARCH RPT

U.S. Technical Advisory Group to ISO TC 146. Development of international standards for air quality monitoring and control. 2000. EPA/600/R-00/064 (NTIS PB2000-106995).

7/11/2000

Contact: M. Susan Lumpkin

SYMPOS/CONF

Coulter, C.T., Wagoner, R.A., and Lewis, C.W. Chemical mass balance model: EPA-CMB8.2. Presented at: International Symposium on Measurement of Toxic and Related Air Pollutants, Research Triangle Park, NC, September 12-14, 2000. EPA/600/A-60/099 (NTIS PB2001-100771).

9/12/2000

Contact: Tom Coulter

Willis, R.D. Workshop on UNMIX and PMF as Applied to PM 2.5. Presented at: Workshop on UNMIX and PMF as Applied to PM 2.5, Research Triangle Park, NC, February 14-16, 2000. EPA/600/A-00/048 (NTIS PB2001-100353).

2/14/2000

Contact: Charles W. Lewis

Gabele, P.A. Characterization of emissions from hand-held two-stroke engines. Presented at: 93rd Annual AWMA Conference, Salt Lake City, UT, June 18-22, 2000. EPA/600/A-00/012 (NTIS PB2000-105753).

6/1/2000

Contact: Peter A. Gabele

Conner, T.L., Norris, G.A., Landis, M.S., and Williams, R.W. Chemical and physical characterization of indoor, outdoor, and personal samples collected in and around a retirement facility. Presented at: EPA/AWMA International Symposium on the Measurement of Toxic and Related Air Pollutants, Research Triangle Park, NC, September 12-14, 2000. EPA/600/A-00/098 (NTIS PB2001-100770).

9/12/2000

Contact: Teri L. Conner

Rea, A.W., Martin, F., III, and Mitchell, W.J. Evaluation of a personal nephelometer for human exposure monitoring. Presented at: EPA/AWMA Symposium, Research Triangle Park, NC, September 12-14, 2000. EPA/600/A-00/119 (NTIS PB2001-102833).

9/12/2000

Contact: Anne Rea (Vette)

Lewtas, J., Binkova, B, Miskova, I, Subrt, P., Lenicek, J., and Sram, R.J. Biomarkers of exposure to particulate air pollution in the Czech Republic. Presented at: Teplice Program Conference, Prachatice, Czech Republic, October 3-5, 2000. EPA/600/A-01/009 (NTIS PB2001-103694).

10/3/2000

Contact: Joellen Jungers (Lewtas)

Technical Information Manager: Liz Hope (919) 541-2785

Ion 1	1000	$D_{\alpha\alpha}$ 21	1000
jan 1,	1999 -	Dec 31,	1999

Presented Published

ABSTRCT/ORAL

Edney, E.O., Swartz, E.C., Driscoll, D.J., Speer, R.E., Kleindienst, T.E., Li, W., McIver, C.D., and Conver, T.S. EPA PM chemistry studies. Presented at: US/German Ozone/Fine Particle Science and Environmental Chamber Workshop, Riverside, CA, October 4-7, 1999.

10/4/1999

Contact: Edward O. Edney

Luecken, D.J., and Kleindienst, T.E. EPA gas phase chemistry chamber studies. Presented at: US/German Ozone/Fine Particulate Science and Environmental Chamber Workshop, Riverside, CA, October 4-7, 1999.

10/4/1999

Contact: Deborah J. Luecken

Seila, R.L., Main, H.H., Arriaga, J.L., Martinez, G., and Ramadan, A.B. 1996 Paso del Norte ozone study VOC measurements. Abstract presented at: 1999 92nd A&WMA National Meeting, St. Louis, MO, June 20-24, 1999.

6/1/1999

Contact: Robert L. Seila

Arriaga, J.L., Ordunez, R., Escalona, S., Martinez, G., Cervantes, A.D., and Seila, R.L. VOCs in Ciudad Juarez urban atmosphere. 1999 A&WMA National Meeting, St. Louis, MO, June, 1999.

6/1/1999

Contact: Robert L. Seila

Lewis, C.W. VOC radiocarbon measurements during SCOS97 and emissions inventory validation. Presented at: CARB Biogenic Hydrocarbons Symposium, Sacramento, CA, December 9-10, 1999.

12/9/1999

Contact: Charles W. Lewis

Mukerjee, S. Lower Rio Grande Valley transboundary air pollution project (TAPP). Presented at: 1999 Border Environmental Technical Conference, Las Cruces, NM, November 17-19, 1999.

11/17/1999

Contact: Shaibal Mukerjee

Mukerjee, S. Transboundary influences in the lower Rio Grande Valley. Presented at: TAPP Public Meeting, Brownsville, TX, October 27, 1999.

10/27/1999

Contact: Shaibal Mukerjee

Landis, M.S., Stevens, R.K., and Prestbo, E. Manual speciation methods for measuring atmospheric mercury: applications/implementation. Presented at: EPA Workshop on Source and Ambient Air Monitoring of Mercury, Bloomington, MN, September 13-14, 1999.

9/13/1999

Contact: Matthew S. Landis

Arnts, R.R. Evaluation of solid adsorbents for the collection and analyses of ambient biogenic volatile organics. Presented at: American Geophysical Union, San Francisco, CA, December 13-17, 1999.

12/13/1999

Contact: Robert R. Arnts

Mukerjee, S., Shadwick, D.S., Dean, K.E., and Carmichael, L.Y. Assessing transboundary influences in the Lower Rio Grande Valley (overheads). Presented at: Air and Waste Management Association Meeting, St. Louis, MO, June 20-24, 1999.

6/20/1999

Contact: Shaibal Mukerjee

Solomon, P.A., Mitchell, W.J., Gemmill, D.B., Tolocka, M.P., Wiener, R.W., Eberly, S.I., Rice, J., Homolya, J., and Miguel, A.H. PM 2.5 chemical speciation sampler evaluation field program: results from the four city study. Presented at: American Association for Aerosol Science, Tacoma, WA, October 11-15, 1999.

10/11/1999

Contact: Paul A. Solomon

Technical Information Manager: Liz Hope (919) 541-2785

Jan 1, 1999 - Dec 31, 1999 Scheffe, R.D., Solomon, P.A., and Pitchford, M. The supersites program. Presented at: American Association for Aerosol Science, Tacoma, WA, October 11-15, 1999.	Presented 10/11/1999	Published
Contact: Paul A. Solomon		
Fuerst, R.G. Environmental technology verification's advanced monitoring systems pilot. 1998 AWMA-ASME-EPA Environmental Informational Exchange, St. Louis, MO, June 20-24, 1999.	6/20/1999	
Contact: Robert G. Fuerst		
Tolocka, M.P., Chen, F.L., and Wiener, R.W. Comparison of Modified and Reference Inlets for PM10 Samplers. A&WMA 92nd Annual Meeting & Exhibition, St. Louis, MO, June 20-24, 1999.	6/20/1999	
Contact: Russell W. Wiener		
Solomon, P.A., Mitchell, W.J., Gemmill, D.B., Tolocka, M.P., Wiener, R.W., and Homolya, J. PM 2.5 Chemical Speciation Monitor Evaluation Field Program: Preliminary Results. A&WMA 92nd Annual Meeting & Exhibition, St. Louis, MO, June 20-24, 1999.	6/20/1999	
Contact: Russell W. Wiener		
Kellogg, R., Willis, R.D., and Conner, T.L. Preliminary Assessments of Filter Deposit Uniformity for X-ray Fluorescence Analysis. EPA/AWMA Air Toxics Symposium, Cary, NC, 09/1-3/98.	9/1/1999	
Contact: Teri L. Conner		
Pleil, J.D., Prah, J.D., Ashley, D., Case, M.W., and Colon, M. Controlled methyl tertiary butyl ether (MTBE) exposure to humans through dermal, ingestion, and inhalation routes and the resultant biomarker tertiary butyl alcohol (TBA) as measured in exhaled breath and venous blood. Presented at: EPA/NIEHS In-House Workshop on Applying Biomarker Research, Chapel Hill, NC, August 30-31, 1999.	8/30/1999	
Contact: Joachim D. Pleil		
Liu, S, and Pleil, J.D. Blood extraction experiments for measuring human exposure to JP-8 jet fuel. Abstract presented at: 217th Meeting of the American Chemical Society, Anaheim, CA, March 15-19, 1999.	3/1/1999	
Contact: Joachim D. Pleil		
Williams, R.W., Creason, J.P., Zweidinger, R.B., Suggs, J.C., Kwok, R.K., and Sheldon, L.S. Personal exposure and ambient air sampling related to an elderly population living in a Baltimore retirement center: preliminary findings of the 1998 Baltimore study. Presented at: ISEE/ISEA '99 Conference, Athens, Greece, September 5-8, 1999.	9/6/1999	
Contact: V. Ross Highsmith		
Zartarian, V. A physically-based stochastic model for estimating dermal and non-dietary ingestion exposure and dose. Presented at: Environmental and Occupational Health Sciences Institute, Piscataway, NJ, March 29, 1999.	3/29/1999	
Contact: Valerie G. Zartarian		
Zartarian, V. The population SHEDS (Stochastic Human Exposure and Dose Simulation) model for pesticides. Presented at: Aggregate Exposure Assessment Model Evaluation and Refinement Workshop, Baltimore, MD, October 19, 1999.	10/19/1999	
Contact: Valerie G. Zartarian		
Ozkaynak, H. Framework for model evaluation and validation. Presented at: Aggregate Exposure Assessment Model Evaluation and Refinement Workshop, Baltimore, MD, October 19-21, 1999.	10/19/1999	

Contact: V. Ross Highsmith

Technical Information Manager: Liz Hope (919) 541-2785

Jan 1, 1999 - Dec 31, 1999 Zartarian, V., Ozkaynak, H., Burke, J.M., Zufall, M.J., Rigas, M.L., and Furtaw, Jr., E.J. A modeling framework for estimating children's residential exposure and dose to chlorpyrifos via dermal residue contact and non-dietary ingestion. Presented at: ISEE/ISEA '99 Conference, Athens, Greece, September 5-8, 1999.	Presented Published 9/7/1999
Contact: Valerie G. Zartarian	
Vallero, D.A., Stockburger, L., Farnsworth, J.L., and Peirce, J.J. Measuring the transport of endocrine disrupting dicarboximides and degradation products from the soil to the lower troposphere. Presented at: International POPs Workshop, Research Triangle Park, NC, October 5-7, 1999.	10/5/1999
Contact: Daniel Vallero	
Vallero, D.A., and Foley, G.J. North America's sound management of chemicals initiative: application of selection criteria to dioxins/furans, hexachlorobenzene, and hexachlorocyclohexanes. Presented at: International POPS Workshop, Research Triangle Park, NC, October 5-7, 1999.	10/5/1999
Contact: Daniel Vallero	
Vallero, D.A., Stockburger, L., Farnsworth, J.L., and Peirce, J.J. Measurement and modeling of the transport of endocrine disrupting dicarboximides and degradation products from the soil to the lower troposphere. Presented at: Seventh Symposium on the Chemistry and Fate of Modern Pesticides, Lawrence, KS, September 14-16, 1999.	9/14/1999
Contact: Daniel Vallero	
Vallero, D.A., and Foley, G.J. North America's sound management of chemicals initiative: application of selection criteria to dioxins/furans, hexachlorobenzene, and hexachlorocyclohexanes. Workshop on Persistent Organic Pollutants and Heavy Metals, Research Triangle Park, NC, October 5-7, 1999.	10/5/1999
Contact: Daniel Vallero	
Lindstrom, A.B., Waidyanatha, S., Yeowell-O'Connell, K., and Rappaport, S.M. Benzene oxide protein adducts as biomarkers of benzene exposure. Presented at: EPA/NIEHS In-House Workshop Biomarkers: Taking Stock, Chapel Hill, NC, August 30-31, 1999.	8/30/1999
Contact: Andrew B. Lindstrom	
Vallero, D.A., and Peirce, J.J. Measuring and modeling the transport of endocrine disrupting dicarboximides and degradation products from the soil to the lower troposphere. Presented at: The Conference on Chromatography Environmental, Lawrence, KS, September 13-16, 1999.	9/13/1999
Contact: Daniel Vallero	
McCurdy, T.R., Nelson, W.C., Lakkadi, Y., Glenn, G., Smith, L., del Valle-Torres, M., and Trippett, J.A. The National Exposure Research Laboratory's comprehensive human activity database. Presented at: International Society of Exposure Analysis, Athens, Greece, September 5-8, 1999.	9/5/1999
Contact: Thomas R. McCurdy	
Burke, J.M., McCurdy, T.R., Ozkaynak, H., and Sheldon, L.S. Analysis of human activity data for use in modeling environmental exposures. Presented at: American Association of Aerosol Research, Tacoma, WA, October 11-15, 1999.	10/11/1999
Contact: V. Ross Highsmith	
Cohen-Hubal, E.A., and Sheldon, L.S. Data requirements for assessing children's exposure to pesticides. Presented at: ACS National Meeting, New Orleans, LA, August 23, 1999.	8/23/1999
Contact: Linda Sheldon	

Technical Information Manager: Liz Hope (919) 541-2785

Jan 1, 1999 - Dec 31, 1999 Sheldon, L.S., Cohen-Hubal, E.A., and Berry, Jr., M.R. Children's exposure research strategy in support of FQPA. Presented at: ACS National Meeting, New Orleans, LA, August 23, 1999.	Presented Published 8/23/1999
Contact: Linda Sheldon	
Zartarian, V., Ozkaynak, H., Burke, J., Zufall, M.J., Furtaw, E.J., Jr., Cohen-Hubal, E.A., and Sheldon, L.S. Modeled residential chlorpyrifos exposure and dose to children via dermal surface residue contact and non-dietary ingestion. Presented at: ISEE/ISEA '99 Conference, Athens, Greece, September 5-8, 1999.	9/5/1999
Contact: V. Ross Highsmith	
Sheldon, L.S., Berry, M.R., and Vallero, D.A. Bioaccumulation of POPS in fish and estimation of human dietary exposure and dose. Presented at: ISEE/ISEA '99 Conference, Athens, Greece, September 5-8, 1999.	9/5/1999
Contact: V. Ross Highsmith	
Zufall, M.J., Ozkaynak, H., Brauer, M., Ott, W.R., Ryan, J., and Spengler, J. Particulate matter concentrations in non-residential microenvironments. Presented at: American Association of Aerosol Research, Tacoma, WA, October 11-15, 1999.	10/11/1999
Contact: V. Ross Highsmith	
Burke, J., McCurdy, T.R., Ozkaynak, H., and Sheldon, L.S. Analysis of human activity data for use in modeling environmental exposures. Presented at: Third Colloquium on Particulate Air Pollution and Public Health, Durham, NC, June 6-8, 1999.	6/6/1999
Contact: V. Ross Highsmith	
Williams, R., Creason, J., Zweidinger, R.B., Suggs, J.C., Kwok, R., and Sheldon, L.S. Exposure analysis from personal and ambient air sampling: results of the 1998 Baltimore study. Presented at: Third Colloquium on Particulate Air Pollution and Public Health, Durham, NC, June 6-8, 1999.	6/6/1999
Contact: V. Ross Highsmith	
Williams, R., Creason, J., Zweidinger, R.B., Watts, R.R., and Shy, C.M. Results from exposure monitoring performed during the 1997 Baltimore PM pilot study. Presented at: Third Colloquium on Particulate Air Pollution and Public Health, Durham, NC, June 6-8, 1999.	6/6/1999
Contact: V. Ross Highsmith	
Ozkaynak, H., Zufall, M.J., Burke, J., Xue, J., and Zidek, J. Predicting population exposures to PM10 and PM 2.5. Presented at: Third Colloquium on Particulate Air Pollution and Public Health, Durham, NC, June 6-8, 1999.	6/6/1999
Contact: V. Ross Highsmith	
Wallace, L.A., and Howard-Reed, C. Indoor-outdoor relationships of particles, PAH, and black carbon in an occupied townhouse. Presented at: American Association of Aerosol Research, Tacoma, WA, October 11-15, 1999.	10/11/1999
Contact: V. Ross Highsmith	
Ozkaynak, H., Zartarian, V., Burke, J., Zufall, M.J., Cohen-Hubal, E.A., Sheldon, L.S., Buck, R., and Xue, J. Modeling multipathway exposures of children and adults to pesticides. Presented at: ISEE/ISEA '99 Conference, Athens, Greece, September 5-8, 1999.	9/5/1999
Contact: V. Ross Highsmith	
Ozkaynak, H., Zufall, M.J., Burke, J., Xue, J., and Zidek, J. A probabilistic population exposure model for PM10 and PM 2.5. Presented at: ISEE/ISEA '99 Conference, Athens, Greece, September 5-8, 1999.	9/5/1999
Contact: V. Ross Highsmith	

Technical Information Manager: Liz Hope (919) 541-2785

Jan 1, 1999 - Dec 31, 1999	Presented Published						
Cohen-Hubal, E.A., Burke, J.M., Zufall, M.J., Ozkaynak, H., and Sheldon, L.S. Important pathways and factors for assessing children's residential exposure to pesticides. Presented at: ISEE/ISEA '99 Conference, Athens, Greece, September 5-8, 1999.	9/5/1999						
Contact: V. Ross Highsmith							
Zartarian, V. Human exposure: concepts, definitions, and EPA research initiatives. Presented at: Presentation for Johns Hopkins University School of Public Health, New York, NY, April 9, 1999.							
Contact: Thomas R. McCurdy							
Ozkaynak, H. Modeling environmental exposures to particulate matter and pesticides. Presented at: International Meeting on Particulate Matter Exposures and Health Effects, London, United Kingdom, June 25, - July 3, 1999.							
Contact: V. Ross Highsmith							
Zartarian, V. Estimating children's dermal and non-dietary ingestion exposure and dose with EPA's SHEDS model. Presented at: Society for Risk Analysis, Atlanta, GA, December 5-8, 1999.	12/1/1999						
Contact: Valerie G. Zartarian							
Wallace, L.A., Howard-Reed, C., Zartarian, V., and Ott, W.R. Clothes as a source of particles contributing to the "personal cloud". Presented at: ISEE/ISEA '99 Conference, Athens, Greece, September 5-8, 1999.	9/5/1999						
Contact: V. Ross Highsmith							
Ozkaynak, H., Xue, J., Spengler, J.D., Parise, H., Privalova, L., Brezgina, S., Katsnelson, B., Kuzmin, S., Voronin, S., and Kosheleva, A. Acute effects of air pollution on respiratory symptoms and peak flow measurements of symptomatic and asymptomatic children in Nizhni Tagil, Russia. Presented at: PM 2000 Program Committee Meeting, Salt Lake City, UT, October 3-4, 1999.	10/3/1999						
Contact: A. Haluk Ozkaynak							
Howard-Reed, C., and Wallace, L.A. Continuous measurement of particles (0.01-20.0 um) in an occupied home, Reed and Wallace, AAAR Presented at: American Association of Aerosol Research, Tacoma, WA, October 11-15, 1999.	10/11/1999						
Contact: V. Ross Highsmith							
Blancato, J.N., Power, F.W., Fisher, J.W., and Scott, C.S. Application and use of dose estimating exposure model (DEEM) for route to route dose comparisons after exposure to trichloroethylene (TCE). Presented at: Annual Meeting of Society of Toxicology, Philadelphia, PA, March 19-23, 2000.	3/19/1999						
Contact: Jerry Blancato							
Okino, M.S., and Quackenboss, J.J. Dose reconstruction from urinary biomarkers. To be presented at: Biomarkers: Taking Stock EPA/NIEHS Workshop on Applying Biomarker Research, Chapel Hill, NC, August 30-31, 1999.	8/30/1999						
Contact: James J. Quackenboss							
Okino, M.S., Quackenboss, J.J., and Thomas, K.W. Analysis of uncertainties in dose reconstruction from biomarkers: impact on study design. Presented at: Biomarkers: Taking Stock EPA/NIEHS Workshop on Applying Biomarker Research, Chapel Hill, NC, August 30-31, 1999.	8/30/1999						

Contact: James J. Quackenboss

Technical Information Manager: Liz Hope (919) 541-2785

Jan 1, 1999	- Dec 31, 1999	Presented Published
-------------	----------------	---------------------

Rigas, M.L., Blancato, J.N., and Power, F.W. Simulation modeling of gastrointestinal absorption. Presented at: Interagency Conference on Toxicology and Risk Assessment, Wright-Patterson AFB, OH, April 12-15, 1999.

4/12/1999

Contact: Jerry Blancato

Rigas, M.L., Zartarian, V., Cohen-Hubal, E.A., and Ozkaynak, H. Dermal exposure and dose: using an event-based approach to evaluate measurement approaches. Presented at: Society for Risk Analysis, Atlanta, GA, December 5-8, 1999.

12/5/1999

Contact: Marc L. Rigas

Van Emon, J.M. Development and use of immunochemical methods for environmental contaminants at the U.S. EPA, NERL, HERB-LV. Presented at: 113th AOAC International Meeting and Exposition, Houston, TX, September 26-30, 1999.

9/26/1999

Contact: Jeanette M. Van Emon

Furtaw, Jr., E.J., Dary, C.C., Dellarco, M., and Saint, C.G. An equilibrium-approach model for simulating contaminant transfer between surfaces and skin in support of FQPA. Presented at: Society for Risk Analysis, 1999 Annual Meeting, Atlanta, GA, December 5-8, 1999.

12/1/1999

Contact: Curtis C. Dary

Hern, S.C., and Robertson, G.L. Pesticide exposure and potential health effects in young children along the U.S.-Mexico border. Presented at: Society for Risk Analysis, Atlanta, GA, December 5-8, 1999.

12/1/1999

Contact: Stephen C. Hern

Lewtas, J., Williams, R.W., Myers, S.R., and Wise, S. Sources of human exposure to airborne PAH. Presented at: 17th International Symposium on Polycyclic Aromatic Compounds, Bordeaux, France, October 25-29, 1999.

10/25/1999

Contact: Joellen Jungers (Lewtas)

Cupitt, L.T. Human exposure research at EPA's National Exposure Research Laboratory. Presented at: ISEE/ISEA '99 Conference, Athens, Greece, September 5-8, 1999.

9/5/1999

Contact: Larry T. Cupitt

JOURNAL

Luecken, D.J., Tonnesen, G.S., and Sickles, II, J.E. Differences in NOy speciation predicted by three photochemical mechanisms. Atmospheric Environment 33:1073-1084 (1999).

2/1/1999

Contact: Deborah J. Luecken

Mukerjee, S., Shadwick, D.S., Bowser, J.J., and Carmichael, L.Y. Application of a dual fine particle sequential sampler, a tapered element oscillating microbalance, and other air monitoring methods to assess transboundary influence of PM 2.5. Field Analytical Chemistry and Technology 3 (3):201-217 (1999). EPA/600/J-02/220.

8/12/1999

Contact: Shaibal Mukerjee

Lewis, C.W., Stevens, R.K., Rasmussen, R.A., Cardelino, C., and Pierce, Jr., T.E. Biogenic Fraction of Ambient VOC: Comparison of Radiocarbon, Chromatographic, and Emissions Inventory Estimates for Atlanta GA. Journal of the Air & Waste Management Association 49:299-307 (1999).

3/1/1999

Contact: Charles W. Lewis

Technical Information Manager: Liz Hope (919) 541-2785

Jan 1, 1999 - Dec 31, 1999	Presented Published						
Liu, S., and Pleil, J.D. Method of liquid-liquid extraction of blood surrogates for assessing human exposure to jet fuel. Journal of Chemical and Engineering Data 728 (2):193-207 (1999). EPA/600/J-99/185.	5/28/1999						
Contact: Joachim D. Pleil							
Walker, K.R., Vallero, D.A., and Lewis, R.G. Factors influencing the distribution of lindane and other hexachlorocyclohexanes in the environment. Environmental Science & Technology 23 (4):4373-4378 (1999). EPA/600/J-01/055.							
Contact: Daniel Vallero							
McCurdy, T.R., Zelenka, M.P., Lawrence, P., Houston, R.M., and Burton, R.M. Acid aerosols in the Pittsburgh metropolitan area. Published in: Atmospheric Environment 33:5133-5145 (1999).	12/31/1999						
Contact: Thomas R. McCurdy							
Lindstrom, A.B., Yeowell-O'Connell, K., Waidyanatha, S., McDonald, T.A., and Rappaport, S.M. Investigation of benzene oxide in bone marrow and other tissues of F344 rats following metabolism of benzene in vitro and in vivo. Chemico-Biological Interactions 122 (1):41-58 (1999). EPA/600/J-99/281.	8/1/1999						
Contact: Andrew B. Lindstrom							
Rogers, K.R., and Gerlach, C.L. An update on environmental biosensors. Environmental Science & Technology 33 (23):500A-506A (1999). EPA/600/J-02/221.	12/1/1999						
Contact: Kim R. Rogers							
Rogers, K.R., Apostol, A.B., Madsen, S.J., and Spencer, C.W. Detection of low dose radiation induced DNA damage using temperature differential fluoresence assay. Analytical Chemistry 71 (19):4423-4426 (1999).	10/1/1999						
Contact: Kim R. Rogers							
Chuang, J.C., Pollard, M.A., Misita, M., and Van Emon, J.M. Evaluation of analytical methods for determining pesticides in baby food. Analytica Chimica Acta 399 (1-2):135-142 (1999). EPA/600/J-00/140, Available: 68-D4-0023 Battelle.	11/1/1999						
Contact: Jeanette M. Van Emon							
Rogers, K.R., Apostol, A.B., Madsen, S.J., and Spencer, C.W. Detection of low dose radiation induced DNA damage using temperature differential fluorescence assay. Analytical Chemistry 71 (19):4423-4426 (1999). EPA/600/J-99/278.	10/19/1999						
Contact: Kim R. Rogers							
Robertson, G.L., Lebowitz, M.D., O'Rourke, M.K., Gordon, S.M., and Moschandreas, D.J. The National Human Exposure Assessment Survey (NHEXAS) study in Arizona-introduction and preliminary results. Journal of Exposure Analysis and Environmental Epidemiology 9 (5):427-434 (1999). EPA/600/J-99/285.	10/1/1999						
Contact: Gary L. Robertson							
Rogers, K.R., Wang, Y., Mulchandani, A., Mulchandani, P., and Chen, W. Organophosphorus hydrolase-based assay for organophosphate pesticides. Biotechnology Progress 15 (3):517-521 (1999). EPA/600/J-00/296.	6/1/1999						
Contact: Kim R. Rogers							
Rogers, K.R., Becker, J., Wang, J., and Lu, F. Determination of phenols in environmentally relevant matrices with the use of liquid chromatography with an enzyme electrode detector. Field Analytical Chemistry and Technology 3 (3):161-169 (1999). EPA/600/J-02/218.	3/18/1999						
Contact: Kim R. Rogers							

Technical Information Manager: Liz Hope (919) 541-2785

Jan 1.	1999 -	Dec 31.	1999	Presented	Published

Thomas, D.H., Rakestraw, D.J., Schoeniger, J.S., Lopez-Avila, V., and Van Emon, J.M. Selective trace enrichment by immunoaffinity capillary electrochromatography on-line with capillary zone electrophoresis - laser-induced fluorescence. Published in: Electrophoresis 20:57-66 (1999).

12/31/1999

Contact: Jeanette M. Van Emon

Clayton, C.A., Pellizzari, E.D., Whitmore, R.W., Perritt, R.L., and Quackenboss, J.J. National Human Exposure Assessment Survey (NHEXAS): distributions and associations of lead, arsenic and volatile organic compounds in EPA Region 5. Published in: Journal of Exposure Analysis and Environmental Epidemiology 9:381-392 (1999).

12/31/1999

Contact: Stephen C. Hern

Whitmore, R., Byron, M.Z., Clayton, C.A., Thomas, K.W., Zelon, H.S., Pellizzari, E.D., Lioy, P.J., and Quackenboss, J. Sampling design response rates, and analysis weights for the National Human Exposure Assessment Survey (NHEXAS) in EPA Region 5. Published in: Journal of Exposure Analysis and Environmental Epidemiology 9:369-380 (1999).

1/1/1999

Contact: Stephen C. Hern

Rourke, M.K., Rogan, S., Jin, S., and Robertson, G.L. Spatial distributions of arsenic exposure and mining communities from NHEXAS Arizona. Journal of Exposure Analysis and Environmental Epidemiology 9 (5):446-455 (1999). EPA/600/J-99/296.

10/1/1999

Contact: Gary L. Robertson

PROJ RPT/SUM

McClenny, W.A. Description and Testing of the AnalTech Model 9801P Monitor for Formaldehyde in Air. 1999. EPA/600/R-98/139 (NTIS PB99-118291).

1/21/1999

Contact: William A. McClenny

Steger, J.L., Bursey, J.T., and Merrill, R.G. Research and Development of A Field-Ready Protocol for Sampling of Phosgene from Stationary Source Emissions, EPA/600/R-99/015 (NTIS PB99-132060). U.S. Environmental Protection Agency.

3/30/1999

Contact: Easter A. Coppedge

PUB REPORT

Mukerjee, S., Shadwick, D.S., Dean, K.E., Carmichael, L.Y., Bowser, J.J., and Purdue, L.J. Lower Rio Grande Valley transboundary air pollution project (TAPP) (main report). 1999. EPA/600/R-99/047 (NTIS PB99-146938).

6/22/1999

Contact: Shaibal Mukerjee

Mukerjee, S. Assessing transboundary influence in the Lower Rio Grande Valley (Q&A sheet). 1999. EPA/600/F-99/009.

5/25/1999

Contact: Shaibal Mukerjee

Mukerjee, S., Shadwick, D.S., Dean, K.E., Carmichael, L.Y., Bowser, J.J., and Purdue, L.J. Assessing transboundary influences in the Lower Rio Grande Valley (community summary). 1999. EPA/600/S-99/004.

5/25/1999

Contact: Shaibal Mukerjee

Steger, J.L., Merrill, R.G., Parrish, C.R., and Johnson, L.D. Development and Evaluation of A Source Sampling Method for Hydrogen Cyanide. 1999. EPA/600/R-99/014 (NTIS PB99-132193).

5/10/1999

Contact: Robert G. Fuerst

Technical Information Manager: Liz Hope (919) 541-2785

Jan 1, 1999 - Dec 31, 1999

Presented Published

Willis, R.D., and Ellenson, W.D. Fort Hall source apportionment study (final report). 1999. EPA/600/R-99/103 (NTIS PB2001-100329).

10/13/1999

Contact: Teri L. Conner

Glenn, G., and Shadwick, D.S. Analysis of carbon monoxide exposure for fourteen cities using HAPEM-MS3 (final technical report). 1999. EPA/600/R-99/096 (NTIS PB2000-101197).

9/27/1999

Contact: Thomas R. McCurdy

Cohen-Hubal, E.A., Thomas, K.W., Quackenboss, J.J., Furtaw, Jr., E.J., and Sheldon, L.S. Dermal and Non-Dietary Exposure Workshop. 1999. EPA/600/R-99/039 (NTIS PB99-150922).

6/1/1999

Contact: Elaine A. Cohen-Hubal

RESEARCH RPT

Williams, E.E., Clayton, C.A., Hardison, E.D., and Gutknecht, W.F. Laboratory evaluation of six new/modified portable x-ray fluorescence spectrometers for the measurement of lead in characterized paint films and research material boards (appendices). 1999. EPA/600/R-97/100b (NTIS PB99-162489).

7/22/1999

Contact: Sharon L. Harper

Williams, E.E., Clayton, C.A., Hardison, E.D., and Gutknecht, W.F. Laboratory evaluation of six new/modified portable x-ray fluorescence spectrometers for the measurement of lead in characterized paint films and research material boards (technical report). 1999. EPA/600/R-97/100a (NTIS PB99-162471).

7/22/1999

Contact: Sharon L. Harper

SYMPOS/CONF

Seila, R.L., Main, H.H., Arriaga, J.L., Martinez, G., and Ramadan, A.B. 1996 Paso del Norte ozone study VOC measurements. Proceedings of the 92nd Annual Meeting of the AWMA, St. Louis, MO, June 20-24, 1999. 1999. EPA/600/A-99/068 (NTIS PB99-171480).

6/20/1999 10/5/1999

Contact: Robert L. Seila

Arriaga, J.L., Martinez, G., Escalona, S., Figueroa, Y., Martinez, H., and Seila, R.L. Hydrocarbon and carbonyl ozone precursors in Mexico City ambient air. Presented at: Proceedings of the 1995 U.S. EPA/AWMA International Symposium on Measurement of Toxic and Related Air Pollutants, Pittsburgh, PA, May 16-18, 1995. EPA/600/A-99/044 (NTIS PB99-151326).

6/3/1999

Contact: Robert L. Seila

Klouda, G.A., Lewis, C.W., Rasmussen, R.A., Stiles, D.C., Ellenson, W.D., and Marolf, J.L. Isotopic (14C) and chemical composition of atmospheric volatile organic compound fractions - precursors to ozone formation. Presented at: Proceedings of the Third International Conference on Isotopes, Vancouver, Canada, September 6-10, 1999. EPA/600/A-02/058 (NTIS PB2002-106741).

9/6/1999

Contact: Charles W. Lewis

Mukerjee, S., Shadwick, D.S., Dean, K.E., and Carmichael, L.Y. Assessing transboundary influences in the Lower Rio Grande Valley. Presented at: 92nd Annual Meeting of the AWMA, St. Louis, MO, June 20-24, 1999. EPA/600/A-02/063 (NTIS PB2002-106743).

6/22/1999

Contact: Shaibal Mukerjee

Technical Information Manager: Liz Hope (919) 541-2785

Presented Published 6/21/1999

Jan~1,~1999~-~Dec~31,~1999 Daughtrey, Jr., E.H., Oliver, K.D., Adams, J.R., Kronmiller, K.G., Lonneman, W.A., McClenny, W.A., and Colon, M. A stringent comparison of sampling and analysis methods for VOCs in ambient air. Presented at: Annual Air and Waste Management Meeting, St. Louis, MO, June 21-25, 1999. EPA/600/A-99/075 (NTIS PB2000-100892).

William A. McClenny

McClenny, W.A., Schmidt, S.M., and Kronmiller, K.G. "The Variation of the Relative Humidity of Air Released from Canisters after Ambient Sampling.".

1/1/1999

Contact: William A. McClenny